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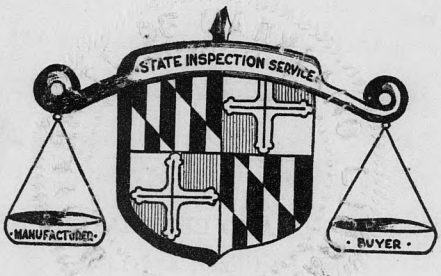
Series—Published Quarterly January Issue, 1931—No. 138

Commercial Fertilizers

This publication contains advanced information regarding the composition of the various brands of fertilizer which will be found upon the Maryland market during 1931, together with a report of inspection activities upon goods sold from July 1, 1930, to Jan. 1, 1931



STATE FERTILIZER INSPECTION SERVICE
COLLEGE PARK, MD.

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INTRODUCTION

This bulletin is published for the purpose of furnishing residents of the State information concerning the composition of the fertilizers to be marketed in 1931, together with this department's report on samples of commercial fertilizers sold during the past fall season.

The first part of this publication, or from pages 5 to 20, contains a list and description of all brands of fertilizers registered prior to January 12, and intended for 1931 delivery. This information has been found valuable when used as a guide in selecting that brand of goods best suited for individual crop and soil requirements. It also enables consumers to purchase more intelligently and to discriminate against those products which in their judgment may not effect the desired results. This bulletin does not include all products that will be sold, as manufacturers find it necessary to supplement their first estimates of prospective demands with later registrations.

The second part of this publication, or from pages 24 to 40, contains the analysis of samples of fertilizer secured from July 1, 1930, to January 1, 1931, for the purpose of establishing the correctness of guarantees on the sack or attached cards. Results of these examinations have been reported to the respective manufacturers, dealers, and, whenever possible, to the buyers.

In addition to the analysis of the official samples included in this report, 90 samples drawn and forwarded to this department by purchasers have been examined and reports of such analysis have been transmitted to the parties particularly interested. Since a representative sample is as essential as an accurate analysis in judging the quality of a fertilizer, this organization can only vouch for the accuracy of the results obtained on the material submitted.

191642

MARYLAND STANDARD HIGH-ANALYSIS FERTILIZERS

The purpose of recommending standard fertilizers may be stated briefly as an attempt to encourage the greater use of high-grade fertilizers and thus reduce the unit cost to the consumer through the savings in such items as freight, containers, handling charges, and manufacturing costs.

Analysis	Units Total	RECOMMENDED FOR	
		Piedmont, Western Maryland, and Southern Maryland	Coastal Plains—Eastern Shore
2–8–5	15	Corn, small grains, cannery corn, late potatoes.	Corn, late potatoes, cannery corn, and grains on the heavier soils, and for legumes on unmanured soils.
2–8–10	20	Tobacco on rested land with manure and following legumes.	Sweet potatoes on sandy soil with manure and for root crops as carrots, beets, parsnips, etc.
2–12–4	18	Wheat, winter barley, and corn on dairy farms and where fertilizer is divided between the grain crops.	Late potatoes and grains on loams and heavy soils.
0–12–5	17	Soy-beans, cow-peas, top-dressing alfalfa, and on corn and grass land that is heavily manured.	Alfalfa, clovers, soy-beans, cow-peas, and pasture or manured land.
3–8–8	19	Sweet potatoes, carrots, parsnips, turnips, and other root crops.	Sweet potatoes, carrots, parsnips. turnips, and other root crops.
5–8–5	18	Sugar corn, asparagus, cannery peas and beans, cucumbers, cantaloupes, late potatoes and lima beans, and grains on sandy soils.	Sugar corn, asparagus, cannery peas and beans, cucumbers, cantaloupes, late potatoes and lima beans, and grains on sandy soils.
5–8–7	20	Tobacco in regular rotation, top-dressing tobacco beds, and tomatoes in rotation with field crops.	Tomatoes.
7–6–5	18	Early potatoes, asparagus, and other truck crops.	Early potatoes and broccoli.
9–5–2	16	Tobacco beds and spinach.	

*Representatives of the Delaware and Maryland Agricultural Experiment Stations concur in the recommendations for the Del-Mar Pennisula.

TABLES

The following pages contain a detailed list of the different brands of fertilizer registered for 1931 delivery and the declared composition of each:

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Bone	Ammoniated Super Phosphate	Cyanamid	Garbage Tankage	Cocoa Shell Meal	Rotted Stable Manure	Urea	Super Phosphate	Tankage	Fish	Rotted Stable Manure	Muriate	Manure Salts	Sulphate
American Cyanamid Co., New York, N. Y.																		
Aero Brand Cyanamid, 26.75-0-0											Y.							
Anglo-Chilean Nitrate Sales Corp., New York, N. Y.																		
Champion Brand Chilean Nitrate of Soda, 19.45-0-0		.																
Stand. Chilean Nitrate of Soda, 18.54-0-0																		
Arundel Trucking Co., Inc., Balto., Md.																		
Manuro, .95-.60-.50										.95					.60	*.50		
Baltimore Fert. Co., Baltimore, Md.																		
Honest 10% Tob. Bed Mixture, 10-5-2	7.25	1.	.25					.5	.5			4.6	.4					2.
Honest, 4-8-4	3.						.5	.25	.25			8.					4.	
Honest, 2-8-5	1.		.25				.5		.25			8.					5.	
Honest, 1-9-4	.25						.25	.25	.25			9.					4.	
Honest Superphosphate, 0-16-0												16.						
Barrett Company, NewYork, N. Y.																		
Arcadian Sulphate of Ammonia, 25-0-0																		
Sulphate of Ammonia, 25-0-0																		
Arcadian Nitrate of Soda, 19.45-0-0																		
Baugh & Sons Co., Baltimore, Md.																		
Sulphate of Ammonia, 25-0-0																		
Nitrate of Soda, 18½-0-0																		
Raw Bone Meal, 4½-Tot. 21½-0																		
Bone Meal, 3-Tot. 23-0																		
Ground Fish, 10-Tot. 5-0																		
Ground Tankage, 7-Tot. 5-0																		
New Process 10% Guano, 10-5-0	5.2	.7	1.75	.15		1.					1.2	4.5	.4	.1				
7% Potato Guano, 7-6-5	3.35	.7	.6	.15		1.					1.2	5.7	.2	.1		5.		
Peruvian Guano Substitute, 5-8-5	2.	.5	.35	.15		1.					1.	7.8	.2			5.		

* Rotted Stable Manure.

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Bone	Ammoniated Super Phosphate	Cyanamid	Garbage Tankage	Cocoa Shell Meal	Humus	Urea	Super Phosphate	Tankage	Fish	Bone	Muriate	Manure Salts	Sulphate
Baugh & Sons Co., Balto., Md. (Cont.)																		
Double Power Fertilizer, 4-16-4	1.3	.2	.3	.....	.....	1.	.....	.....	.....	.....	1.2	15.8	.2	.....	.....	4.	.....	.....
Baughgro, 4-12-4	2.3	.5	.....	.....	.....	1.	.....	.....	.....	.2	.....	12.	.....	.....	.....	4.	.....	.....
Balanced Plant Food, 4-12-4	1.3	.2	.3	.....	.....	1.	.....	.....	.....	.....	1.2	11.8	.2	.....	.....	4.	.....	.....
Half Century Perfection Brand, 4-8-7	1.5	.....	.5	.....	.....	1.	.....	.....	.....	.....	1.	7.8	.2	.....	.....	4.5	2.5	.....
Special Tobacco Guano, 4-8-4	1.05	.2	.55	.....	.....	1.	.....	.....	.....	.....	1.2	7.8	.2	.....	.....	.....	.....	4.
Fish Bone and Potash, 4-8-4	1.25	.2	.4	.15	.1	1.	.....	.....	.....	.....	.9	7.7	.2	.1	.....	1.5	2.5	.....
Three Quarter Century Perf'n Br., 3-10-6	.90	.....	.5	.....	.....	1.	.....	.....	.....	.....	.6	9.8	.2	.....	.....	4.	2.	.....
Sweet Potato Guano, 3-8-8	.7	.....	.6	.2	.....	1.	.....	.....	.....	.....	.5	7.8	.1	.1	.....	8.	.....	.....
Yucatan Tobacco Guano, 3-8-3	.6	.....	.5	.....	.....	1.	.....	.....	.....	.....	.9	7.9	.1	.....	.....	.....	3.	.....
Double Eagle Phosphate, 2-12-4	.65	.....	.35	.....	.....	1.	.....	.....	.....	.....	.....	11.8	.2	.....	.....	4.	.....	.....
Corn and Oats Fertilizer, 2-12-2	.65	.....	.35	.....	.....	1.	.....	.....	.....	.....	.....	11.8	.2	.....	.....	.....	2.	.....
The Old Standby, 2-12-2	.65	.....	.35	.....	.....	1.	.....	.....	.....	.....	.....	11.8	.2	.....	.....	.....	2.	.....
Commercial Crop Compound, 2-8-10	.45	.....	.55	.....	.....	1.	.....	.....	.....	.....	.....	7.8	.2	.....	.....	10.	.....	.....
Tomato Compound, 2-9-3	.45	.....	.55	.....	.....	1.	.....	.....	.....	.....	.....	8.8	.2	.....	.....	.....	3.	.....
Animal Base and Pot. Compound, 2-9-3	.45	.....	.55	.....	.....	1.	.....	.....	.....	.....	.....	8.8	.2	.....	.....	.....	3.	.....
Fish Mixture, 2-9-3	.45	.....	.35	.2	.....	1.	.....	.....	.....	.....	.....	8.8	.1	.1	.....	3.	.....	.....
Wheat Fert. for Wheat and Grass, 2-9-3	.45	.....	.55	.....	.....	1.	.....	.....	.....	.....	.....	8.8	.2	.....	.....	.....	3.	.....
Special Potato Manure, 2-8-5	.45	.....	.55	.....	.....	1.	.....	.....	.....	.....	.....	7.8	.2	.....	.....	2.5	2.5	.....
Complete Animal Base Fert., 2-8-5	.45	.....	.55	.....	.....	1.	.....	.....	.....	.....	.....	7.8	.2	.....	.....	2.5	2.5	.....
Sheep Manure, 2-43-Tot. 1-1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Excelsior Guano, 1-9-4	.....	.....	.3	.....	.....	.70	.....	.....	.....	.....	.....	8.8	.2	.....	.....	.....	4.	.....
Half and Half Mix. with Pot., 1½-10-5	.....	.....	.....	.....	1.5	.....	.....	.....	.....	.....	.....	8.	.....	.....	2.	5.	.....	.....
The Ideal Superphosphate, 0-20-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
The Ideal Superphosphate, 0-16-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lime and Phosphate, 0-14-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Phosphate and Potash, 0-10-10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10.	.....	.....	.....	10.	.....	.....
Phosphate and Potash, 0-12-5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.	.....	.....	.....	1.	4.	.....
Muriate of Potash, 0-0-48	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Genuine Imported Kainit, 0-0-14.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Belt Seed Co., Inc., Baltimore, Md.																		
Lawnspur, 5-10-5	.....	2.5	.....	.....	.....	.....	.....	.....	.....	.....	2.5	2.5	.....	.....	*7.5	.....	.....	5.

* Precipitated Phosphate.

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Bone	Base Goods	Cyanamid	Garbage Tankage	Cocoa Shell Meal	Poultry Manure	Cotton Seed Meal	Super Phosphate	Tankage	Base Goods	Bone	Muriate	Manure Salts	Sulphate
Belt Seed Co., Inc., Baltimore, Md.																		
Lawnspur, 5-10-5	.....	2.5	.....	.....	.....	.....	.....	.....	.....	.....	2.5	2.5	.....	.....	*7.5	.....	.....	5.
J. Bolgiano Seed Co., Baltimore, Md.																		
Bone Meal, 3-Tot. 22-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Blood Meal, 16-0-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Chemical Co., Inc. Hagerstown, Md.																		
"Gro-All" Potato Special, 4-8-7	3.4	.....	.2	.....	.....	.....	.....	.2	.2	.....	.....	8.	.....	.....	.....	2.	5.	.....
"Gro-All" Super-Fish, 2-12-6	.67	.....	.....	1.	.....	.....	.....	.17	.16	.....	.....	12.	.....	.....	.....	6.	.....	.....
"Gro-All" Excelsior, 2-8-5	1.	.....	.....	.....	.....	.....	.5	.25	.25	.....	.....	8.	.....	.....	.....	.....	5.	.....
"Gro-All" Crown Jewel, 1-9-4	.....	.....	.25	.....	.....	.....	.5	.....	.25	.....	.....	9.	.....	.....	.....	.....	4.	.....
"Gro-All" Potash Special, 0-12-5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.	.....	.....	.....	.....	5.	.....
"Gro-All" Superphosphate, 0-16-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.	.....	.....	.....	.....	.....	.....
H. B. Dawson, Baltimore, Md.																		
Lawn and Rose Fertilizer, 6-5-4	3.25	.....	.75	.....	.65	1.	.....	.....	.....	.....	.35	3.5	.5	.5	.5	.....	.....	4.
Industrial Lawn Fertilizer, 5-10-5	2.5	2.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	10.	.....	.....	.....	5.	.....	.....
Devilbiss Bros., New Windsor, Md.																		
Acid Phosphate, 0-16-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.	.....	.....	.....	.....	.....	.....
E. I. Dupont de Nemours & Co., Inc., Wilmington, Del.																		
Chilean Nitrate of Soda, 18.60-0-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern States Farmers' Exchange, Springfield, Mass.																		
0-14-6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14.	.....	.....	.....	6.	.....	.....
0-10-10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10.	.....	.....	.....	.....	10.	.....
Superphosphate, 0-16-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.	.....	.....	.....	.....	.....	.....
Edelen Bros., Baltimore, Md.																		
10% Tobacco Bed Special, with 2% Potash, 10-5-2	7.5	1.	.....	.....	.....	.....	.....	.5	.....	1.	.....	4.5	.5	.....	.....	.....	.....	2.

* Precipitated Phosphate.

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Bone	Base Goods	Cocoa Meal	Garbage Tankage	Tobacco Stems	Ammonium Phosphate	Dissolved Bone Base	Super Phosphate	Tankage	Fish	Base Goods	Muriate	Manure Salts	Kainit
Farmers Fertilizer & Feed Co., Westminster, Md.																		
Truckers Delight, 4-8-7	2.4	1.5						.1				8.					7.	
Potash Special, 2-8-10	1.9							.1				8.				5.	5.	
Potato Grower, 2-8-5	1.9							.1				8.					5.	
Farmers Favorite, 1-10-5	.9							.1				10.					5.	
X X X (Triple X), 1-9-4	.9							.1				9.					4.	
X X (Double X), 1-9-3	.9							.1				9.					3.	
Farmers & Planters Co., Salisbury, Md.																		
High Grade 7%, 7-6-5	3.	1.	2.	1.								6.				5.		
High Grade 5%, 5-7-5	2.	1.	1.	1.								7.				5.		
X. X. Potash Mixture, 4-7-10	1.5	1.	1.	.5								7.				10.		
Early Truck, 4-8-4	1.5	1.	1.	.5								8.				4.		
Sweet Potato Special, 3-8-7	1.	.5	1.	.5								8.				7.		
Allen's Plant Grower, 3-10-0			3.									3.5	6.5					
Fish and Potash, 2-8-10	.5	.5	.5	.5								8.				10.		
Fish Mixture, 2-10-2	.5	.5	.5	.5								10.						2.
Special Fish Mixture, 2-8-5	.5	.5	.5	.5								8.				5.		
Corn Grower, 1-9-4											1.	9.				4.		
Special Potash Mixture, 0-12-5												12.				5.		
Acid Phosphate, 0-16 0												16.						
Rock and Kainit, 0 7-5												7.						5.
Kainit, 0-0-12.04																		
Ford Motor Co., Dearborn, Mich.																		
Ammonium Sulphate, 25.30-0-0																		
Griffith & Boyd Co., Baltimore, Md.																		
Sulphate of Ammonia, 24½-0-0																		
Nitrate of Soda, 18-0-0																		
Pure Fine Gr. Bone Meal, 4½-Tot. 20-0																		
Truckers Special, 5-8-5	2.5	1.	1.5									7.15			.85	5.		
Special Potato Guano, 4-8-6	2.5	.5	.75			.25						7.			1.	4.		2.

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Bone	Base Goods	Cyanamid	Garbage Tankage	Cocoa Shell Meal	Ammonium Phosphate	Cocoa Meal	Super Phosphate	Tankage	Fish	Base Goods	Muriate	Manure Salts	Kainit
Pure Fine Gr. Bone Meal, 4½-Tot. 20-0															.85	5.		
Truckers Special, 5-8-5	2.5	1.	1.5									7.15			1.	4.		2.
Special Potato Guano, 4-8-6	2.5	.5	.75			.25						7.						
Griffith & Boyd Co., Balto., Md. (Cont.)																		
High Grade Fish and Pot. Mix., 2-12-8		.65	.6	.1		.65						10.9	.15	.1	.85	8.		
Gilt Edge Crop Guano, 2-8-10		.6	.75			.65						7.25			.75	10.		
Special Guano, 2-8-5	1.25		.5			.25						7.			1.		3.	2.
Fish Blood and Potash, 1¾-10¼-2	1.		.45	.15		.15						9.3	.1	.1	.75			2.
Fish and Potash Guano, 1¾-10-3	1.		.45	.15		.15						9.	.1	.15	.75		3.	
Peerless Fertilizer, 1-10-3	.6		.3			.1						10.						3.
Royal Potash Guano, 1-9-4			.5			.5						8.			1.		2.	2.
Acid Phosphate, 0-20-0												20.						
High Grade Acid Phosphate, 0-16-0												16.						
Special Grain Grower, 0-12-5												12.					3.	2.
X X Potash Manure, 0-10-5												10.				5.		
Kainit, 0-0-12.40																		
Griffith & Turner Co., Balto., Md.																		
Soft Ground Bone, 3-Total 11.-0																		
Special Truck, 4-8-6	2.5	.5	.75			.25						7.			1.	4.		2.
Tomato Grower, 2-8-5	1.25		.5			.25						7.			1.		3.	2.
Animal Bone Phosphate, 2½-10-1½		1.2	.6		.3	.15	.25					8.5		*.65	.85			1.5
Special Potato, 1-9-4			.5			.25	.25					8.			1.		2.	2.
Butchers Bone, 1¼-9-1½			.6			.15	.5					8.15			.85			1.5
Ammoniated Alk. Plant Food, 1-6-1½			.15			.5	.35					4.8			1.2			1.5
Hagerstown Spray Material Co., Hagerstown, Md.																		
Nitrate of Soda, 18-0-0																		
Hampstead Fert. Co., Hampstead, Md.																		
2-8-10	1.	.25	.25					.25	.25			8.				6.	4.	
2-8-5	1.	.25	.25					.25	.25			8.				2.	3.	
1-8-4	.5							.25	.25			8.					4.	
Superphosphate, 0-16-0												16.						

* Bone

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Bone	Base Goods	Cyanamid	Garbage Tankage	Cocoa Shell Meal	Humus	Cocoa Meal	Super Phosphate	Tankage	Fish	Bone	Muriate	Manure Salts	Kainit
Hubbard Fert. Co., Baltimore, Md.																		
7% Royal Seal, 7-6-5	5.		1.5	.5								6.				5.		
New 5% Seal, 5-8-5	3.		1.5				.5					8.				5.		
Money Maker Fertilizer, 2-8-5	.5		1.				.5					8.				5.		
Alkaline, 0-12-5												12.				5.		
Superphosphate, 0-16-0												16.						
Huston, Culver & Co., Seaford, Del.																		
Huston, Culver & Co., 7%, 7-6-5	3.5	1.5	1.	1.								6.				5.		
Huston, Culver & Co., 5%, 5-8-5	2.5	1.	1.	.5								8.				5.		
Truck Guano, 4-8-5	2.	1.	1.									8.				2.5	2.5	
Sweet Potato Mixture, 3-8-8	.5	.5	1.	1.								8.				8.		
Trucker, 3-8-5	1.	1.	1.									8.				2.5	2.5	
Crop Grower, 2-8-5	1.	.5	.5									8.				2.5	2.5	
Huston Special, 1-9-4			1.									9.					4.	
Double Potash Mixture, 0-12-5												12.				2.5	2.5	
Acid Phosphate, 0-16-0												16.						
Koppers Products Co., Pittsburgh, Pa.																		
Velvet Lawn (Sulphate of Ammonia)																		
Fertilizer, 25.25-0-0																		
Maryland Milling & Supply Co., Sykesville, Md.																		
Forthman's Special, 5-8-5	2.5		2.5									8.				2.5	2.5	
"Special", 4-8-4	2.5		1.5									8.				2.	2.	
1931 Mixture, 2-12-4	1.		1.									12.				2.	2.	
Newman's Favorite, 2-8-5	1.5		.5									8.				2.5	2.5	
Dietrich's Favorite, 1-8-4			1.									8.					4.	
Phosphate and Potash, 0-12-5												12.				2.5	2.5	
High Grade Super-Phosphate, 0-16-0												16.						
7% Potato Guano, 7-6-5	5.		2.									6.				5.		

7% Potato Guano, 7-6-5	5.		2.									6.				5.			

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Bone	Base Goods	Cyanamid	Garbage Tankage	Cocoa Shell Meal	Blood	Tobacco Dust	Super Phosphate	Bone	Fish	Base Goods	Muriate	Manure Salts	Kainit
Massey & Wilmer, Chestertown, Md.																		
Tom Jr., 5-8-5	3.25					1.3	.25	.2				5.6			2.4	5.		
Trustworthy, 2-8-5	.55					1.	.25	.2				6.2			1.8	1.	4.	
Corn Phosphate, 1-9-4	.5						.25				.25	9.					4.	
Crop Producer, 1-9-4						.67		.33				7.8			1.2		4.	
0-12-5												12.				1.	4.	
Super-Phosphate, 0-16-0												16.						
Medford Fert. Works, Medford, Md.																		
2-8-5	.5	.5						.5	.5			8.					2.5	2.5
1-10-5	.25	.25						.25	.25			10.					2.5	2.5
1-8-5	.25	.25						.25	.25			8.						5.
0-12-5												12.						5.
Miller Fertilizer Co., Balto., Md.																		
10-5-2 Fertilizer, 10-5-2	6.	1.	2.			1.						5.				2.		
7-6-5	5.		1.5	.5								6.				5.		
Vegetable Compound, 5-8-5	3.		1.5				.5					8.				5.		
4-8-10	2.	.5	1.				.5					8.				10.		
4-8-7	2.	.5	1.				.5					8.				7.		
3-10-6	1.5		1.				.5					10.				6.		
3-8-8	1.5		1.				.5					8.				8.		
2-12-4	.5		1.				.5					12.				4.		
Pimlico, 2-8-10	.5		1.				.5					8.				10.		
2-8-5	.5		1.				.5					8.				5.		
Harvest Queen, 1-9-4			.5				.5					9.				4.		
0-12-5												12.				5.		
Superphosphate, 0-16-0												16.						
Mor-Life Plant Food Co., Balto., Md.																		
Mor-Life Plant Food, 4-5-2		.75			.5	*.75				2.			4.4	*.6			*.7	†1.3

* Sheep Manure. † Sulphate.

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Bone	Base Goods	Cyanamid	Urea	Cocoa Shell Meal	Ammoniated Super Phosphate	Vegetable Meal	Super Phosphate	Tankage	Fish	Ammoniated Super Phosphate	Muriate	Manure Salts	Sulphate
N. V. Potash Export My., Inc., New York																		
Sulphate of Potash, 0-0-48																		
Muriate of Potash, 0-0-48																		
High Grade Kainit, 0-0-20																		
G. Ober & Sons Co., Baltimore, Md.																		
Sulphate of Ammonia, 25-0-0																		
Refined Ground Bone, 4½-Tot. 21-0																		
Refined Bone Meal, 3-Total 22-0																		
Ground Tankage, 9-Total 20-0																		
Special Tob. Bed Fertilizer, 10-5-2	7.98		.25	.02			.52			.87	.36				5.			2.
Plant Grower, 8-6-8	4.19		1.81	.02			.52		.26	1.2					6.			8.
Standard Southern Veg. Comp., 7-6-5	4.97	.11	1.5	.02				.4				6.				5.		
Maryland Tob. Growers Special, 5-8-7	1.84		.87	.02			.6		.28	1.39					8.			7.
Maryland Cigarette Tob. Fert., 5-8-5	1.84		.87	.02			.6		.28	1.39					8.			5.
Fruit and Vine Truck Guano, 5-8-5	2.61		.35	.02			.52			1.14	.36				8.		5.	
Red Jacket Fertilizer, 4-16-4	1.31		.27	.02			.52		.27	1.61					16.		4.	
Lord Calvert Tobacco Fert., 4-8-12	1.43		.47	.02			.52		.26	1.3					8.			12.
Royal Crown Tobacco Guano, 4-8-10	1.43		.47	.02			.52		.26	1.3					8.			10.
Starkey Vegetable Compound, 4-8-10	1.66		.12	.02			.52			1.25	.43				8.	4.48	5.52	
Red Seal Tobacco Fertilizer, 4-8-5	1.43		.47	.02			.52		.26	1.3					8.			5.
Starkey Truck Compound, 4-8-5	1.66		.12	.02			.52			1.25	.43				8.		5.	
Super Wheat and Grain Grower, 3-12-3	.28			.02			.52		.23	1.95					12.		3.	
Avondale Mixture, 3-10-6	.58			.02			.52		.23	1.65					10.	.13	5.87	
Sweet Potato Grower, 3-8-8	.93			.02			.52		.23	1.3					8.	.15	7.85	
Special Compound for Tobacco, 3-8-3	.8			.02			.52			1.3	.36				8.			3.
Red Seal Corn and Wheat Guano, 2-12-4	.83		.15	.02						1.		5.5			6.5		4.	
Swan E Guano, 2-9-3	.44									1.56					9.		3.	
Superior Potato and Veg. Comp., 2-8-10	.61		.15	.02						1.22		1.			7.		10.	
Special Plant Food, 2-8-5	.61		.15	.02						1.22		1.			7.		5.	
Stag Guano, 1-9-4										1.		3.			6.		4.	
Twelve and Five Potash Com., 0-12-5												12.					5.	
Special Grade Superphosphate, 0-18-0												18.						
High Grade Superphosphate, 0-16-0												16.						

Twelve and Five Potash Com., 0-12-5												12.					5.		
Special Grade Superphosphate, 0-18-0												18.							
High Grade Superphosphate, 0-16-0												16.							

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Bone	Base Goods	Cyanamid	Garbage Tankage	Cocoa Shell Meal	Humus	Cocoa Meal	Super Phosphate	Tankage	Fish	Bone	Muriate	Manure Salts	Sulphate
Pacific Manure & Fertilizer Co., San Francisco, Calif.																		
Groz-it Brand Pulv. Sheep Manure, 1½-.75-3																		
Peerless Fert. Co., Chestertown, Md.																		
Seven-Six-Five	4.	2.		1.								6.				4.		*1.
Early Trucker, 5-8-5	2.	1.	1.	1.								5.33		2.67		1.67	3.33	
Special Tomato, 4-8-10	1.8	.8	.8	.8								6.	2.			8.		2.
American Standard, 4-6-5	1.6	.8	.8	.8								4.		2.		1.67		*3.33
Fish Mixture, 3-8-7	1.2	.6	.6	.6								5.33		2.67		2.33		*4.67
Peerless, 2-8-5	.8	.4	.4	.4								6.		2.		3.33	1.67	
Sweet Potato, 2-7-7	.8	.4	.4	.4								4.67		2.33		2.33		*4.67
Jersey Sweet Potato, 2-8-10	.5	.5	.5	.5								7.	1.			8.		2.
Imperial Compound, 1-9-4		.5		.5								6.75		2.25		.75	3.25	
Bone Special, ½-10-4					.5							10.					2.	*2.
0-12-5 Low Grade												12.				1.67	3.33	
Farm Bell, 0-9-5												9.					5.	
Rock and Kainit Low Grade, 0-8-6												8.						*6.
Acid Phosphate, 0-16-0												16.						
Kainit, 0-0-12																		
Piedmont-Mt. Airy Guano Co., Inc., Baltimore, Md.																		
Gold Rod, 7-6-5	5.		1.5	.5								6.				5.		
Fertilizer, 5-8-5	3.		1.5				.5					8.				5.		
Unexcelled Guano, 4-8-4	2.	.5	1.				.5					8.				4.		
Champion Trucker, 3-8-5	1.5		1.				.5					8.				5.		
Perfection Guano, 2-8-5	.5		1.				.5					8.				5.		
Wheat Compound, 0-12-5												12.				5.		
Superphosphate, 0-16-0												16.						
Plantabbs Corp., Baltimore, Md.																		
Fulton's Plantabbs, 13-15-20																		

* Kainit.

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Soda Nitrate of	Tankage	Fish	Bone	Tankage Base	Cyanamid	Garbage Tankage	Ammoniated Super Phosphate	Tobacco Stems	Ammonium Phosphate	Super Phosphate	Tankage	Fish	Bone	Muriate	Manure Salts	Tobacco Stems
Pulverized Manure Co., Chicago, Ill.																		
Wizard Brand Pulverized Sheep Manure, 2.43-Total 1-2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wizard Br. Cattle Manure, 2.43-Tot. 1-1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rasin-Monumental Co., Balto., Md.																		
Eastern Shore Potato Special, 7-6-5	3.4	.2	.65	.1	*1.1	.4	.....	.....	.....	.15	1.	6.	.....	.....	.....	4.5	.....	.5
Seawall Truck Compound, 5-8-5	1.9	.....	.5	.1	*.7	.5	.2	.....	.....	.1	1.	8.	.....	.....	.....	4.5	.....	.5
Double Royal Brand, 4-16-6	1.9	.....	.....	.1	.....	.55	.37	.....	.....	.08	1.	16.	.....	.....	.....	5.75	.....	.25
High Grade Truck Compound, 4-8-7	1.21	.....	.45	.09	*.51	.5	.2	.....	.....	.14	.9	8.	.....	.....	.....	6.6	.....	.4
Victoria High Grade Guano, 4-8-4	1.4	.....	.4	.08	*.56	.44	.2	.....	.....	.12	.8	8.	.....	.....	.....	1.4	2.2	.4
Best Tomato and Fruit Formula, 3-10-6	1.09	.....	.14	.07	*.2	.4	.23	.....	.....	.07	.8	10.	.....	.....	.....	4.13	1.4	.47
Double National Brand, 2-16-8	.....	.....	.....	.12	.....	.45	.....	.....	.....	.15	1.28	16.	.....	.....	.....	7.5	.....	.5
Comet Grain and Grass Grower, 2-12-4	.....	.....	.....	.05	.....	.6	.....	.....	.....	.15	1.2	12.	.....	.....	.....	2.5	1.	.5
Vegetable Special, 2-8-10	.....	.....	.....	.1	.....	.5	.....	.....	.....	.15	1.25	8.	.....	.....	.....	5.	4.5	.5
Royal Fish and Potash Mix., 2-9-3	.4	.....	.....	.15	.07	.....	.....	.....	.....	.38	1.	9.	.....	.....	.....	.....	1.75	1.25
Universal Crop Manure, 2-8-5	.....	.....	.....	.1	.....	.55	.....	.....	.....	.15	1.2	8.	.....	.....	.....	.....	4.5	.5
National Crop Compound, 1-9-4	.....	.....	.....	.1	.....	.6	.....	.....	.....	.3	.....	9.	.....	.....	.....	.....	3.	1.
High Grade Potash Mixture, 0-12-5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.	.....	.....	.....	2.5	1.75	.75
Superphosphate, 0-16-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.	.....	.....	.....	.....	.....	.....
Phosphate and Lime Mixture, 0-13-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13.	.....	.....	.....	.....	.....	.....
Reindollar Co., Taneytown, Md.																		
Grain Grower, 2-10-5	.5	.38	1.	.....	.....	.....	.12	.....	.....	.....	.....	10.	.....	.....	.....	5.	.....	.....
Rock and Potash, 0-12-6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.	.....	.....	.....	6.	.....	.....
Superphosphate, 0-16-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.	.....	.....	.....	.....	.....	.....
F. S. Royster Guano Co., Balto., Md.																		
Raw Bone Meal, 4½-Total 20.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nitrate of Soda, 18.24-0-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arrow 7% Potato Guano, 7-6-5	2.	1.	2.63	.17	.....	.....	.....	.....	1.20	.....	.....	6.	.....	.....	.....	2.5	2.5	.....
Verbena Guano, 5-8-5	2.8	.....	.91	.09	.....	.....	.....	.....	1.20	.....	.....	8.	.....	.....	.....	2.5	2.5	.....
Prize Guano, 4-8-10	2.	.....	.71	.09	.....	.....	.....	.....	1.20	.....	.....	8.	.....	.....	.....	9.	1.	.....
Quality Trucker, 4-8-7	2.	.....	.71	.09	.....	.....	.....	.....	1.20	.....	.....	8.	.....	.....	.....	4.5	2.5	.....

* Urea.

Quality Trucker, 4-8-7	2.		.71	.09					1.20			8.				4.5	2.5		

* Urea.

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Bone	Base Goods	Cyanamid	Garbage Tankage	Cocoa Meal	Blood	Ammoniated Super Phosphate	Super Phosphate	Tankage	Fish	Bone	Muriate	Manure Salts	Sulphate
F. S. Royster Guano Co., Balto. (Cont.)																		
Trucker's Delight, 4-8-4	2.		.71	.09							1.20	8.					4.	
Curlew Guano, 3-10-6	1.20		.52	.08							1.20	10.				3.17	2.83	
Ideal Guano, 3-8-8	1.20		.51	.09							1.20	8.				6.	2.	
Gem Guano, 2-12-4	.4		.31	.09							1.20	12.					4.	
Jim Dandy Guano, 2-12-2	.4		.31	.09							1.20	12.					2.	
Banner Guano, 2-8-10	.4		.31	.09							1.20	8.				5.	5.	
Fish, Flesh, and Fowl, 2-9-3	.4		.31	.09							1.20	9.					3.	
Bully Guano, 2-8-5	.4		.31	.09							1.20	8.					5.	
Rational Guano, 1-9-4	.4		.51	.09								9.					4.	
Superphosphate, 0-20-0																		
Superphosphate, 0-16-0																		
Phosphate and Potash, 0-12-5												12.					5.	
F. Rynveld & Sons, New York, N. Y.																		
Bone Meal Fert., 2.25-Total 22.88-0																		
R. H. Slingluff Fert. Co., Balto., Md.																		
10% Tob. Bed Special, with 2% Potash, 10-5-2	7.5		1.					.5				4.5	.5					2.
Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, Md.																		
Stand. U. S. Sulphate of Ammonia, 25-0-0																		
Stand. U. S. Nitrate of Soda, 18-0-0																		
Stand. U. S. Jumbo Potato Grower, 7-6-5	5.6		.5	.5	.2					.2		5.45	.2	.2	.15	3.	2.	
Stand. U. S. Accomac Peninsula King, 5-8-5	3.3		.5	.5	.35					.35		7.2	.3	.3	.2	3.	2.	
Stand. U. S. Evergr'n Fish Guano, 4-8-4	2.6		.4	.4	.3					.3		7.2	.3	.3	.2	2.	2.	
Stand. U. S. Service Mixture, 2-12-6	1.3		.2	.2	.15					.15		11.2	.3	.3	.2	5.	1.	
Stand. U. S. Rainbow Brand, 2-12-2	1.3		.2	.2	.15					.15		11.2	.3	.3	.2	1.	1.	
Stand. U. S. Mammoth Pot. Grower, 2-8-10	1.3		.2	.2	.15					.15		7.2	.3	.3	.2	8.	2.	
Stand. U. S. Mam'h Truck Grower, 2-8-5	1.3		.2	.2	.15					.15		7.2	.3	.3	.2	2.	3.	
Stand. U. S. Superphosphate, 0-20-0												20.						

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Bone	Base Goods	Cyanamid	Garbage Tankage	Cotton Seed Meal	Humus	Ammoniated Super Phosphate	Super Phosphate	Tankage	Fish	Ammoniated Super Phosphate	Muriate	Manure Salts	Sulphate
Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, Md. (Cont.)																		
Stand. U. S. Superphosphate, 0-18-0												18.						
Stand. U. S. Superphosphate, 0-16-0												16.						
Stand. U. S. Lime Phosphate, 0-13-0												13.						
Standard U. S. Phosphate and Potash Mixture, 0-10-10												10.				5.	5.	
Standard U. S. High Grade Phosphate and Potash, 0-12-5												12.				3.	2.	
Stand. U. S. Muriate of Potash, 0-0-48																		
Stimuplant Laboratories, Inc., Long Island City, N. Y.																		
Stimugerm Humus																		
Stimugerm Jelly																		
Stimuplant, 13.35-12-15																		
Strasburger & Siegel, Baltimore, Md.																		
Super Yield Cultures																		
Swift & Co., Baltimore, Md.																		
Sulphate of Ammonia, 25-0-0																		
Nitrate of Soda, 18-0-0																		
Raw Bone Meal Fert., 4½-Tot. 20-0																		
Bone Meal Fertilizer, 3-Total 22-0																		
Red Steer, 10-16-10	5.										5.	9.05			6.95	10.		
Red Steer, 10-5-0	6.5	2.25									1.25	3.3			1.7			
Red Steer, 8-24-8	4.25										3.75	18.8			5.2	8.		
Red Steer, 7-6-5	5.04	.46									1.5	4.			2.		5.	
Red Steer, 6-8-4	3.74	.46									1.8	5.6			2.4		4.	
Red Steer, 5-8-7	2.74	.46									1.8	5.6			2.4	7.		
Red Steer, 5-8-5	2.74	.46									1.8	5.6			2.4	5.		
Red Steer for Tobacco, 5-8-5	1.99	.75							.46		1.8	5.6			2.4			5.
Vigoro, 4.86-12-4	1.96	.5									2.4	8.6			3.4	4.		

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Bone	Base Goods	Cyanamid	Garbage Tankage	Cocoa Meal	Humus	Ammoniated Super Phosphate	Super Phosphate	Tankage	Fish	Ammoniated Super Phosphate	Muriate	Manure Salts	Sulphate
Swift & Co., Baltimore, Md. (Cont.)																		
Red Steer, 4-16-10	1.2										2.8	12.1			3.9	10.		
Red Steer, 4-16-4	1.2										2.8	12.1			3.9	4.		
Red Steer, 4-12-4	1.6										2.4	8.8			3.2		4.	
Red Steer for Tobacco, 4-8-12	1.74	.46									1.8	5.6			2.4			12.
Red Steer, 4-8-10	1.74	.46									1.8	5.6			2.4	10.		
Red Steer, 4-8-7	1.74	.46									1.8	5.6			2.4	3.63	3.37	
Red Steer, 4-8-5	1.74	.46									1.8	5.6			2.4		5.	
Red Steer, 4-8-4	1.74	.46									1.8	5.6			2.4		4.	
Red Steer, 3-10-6	.75										2.25	7.			3.		6.	
Red Steer, 3-8-8	1.2										1.8	5.6			2.4	5.7	2.3	
Red Steer, 3-8-5	1.2										1.8	5.6			2.4		5.	
Red Steer, 2-16-8											2.	13.3			2.7	8.		
Red Steer, 2-12-4											2.	9.3			2.7		4.	
Red Steer, 2-12-2											2.	9.3			2.7		2.	
Red Steer for Tobacco, 2-8-10	.2										1.8	5.6			2.4			10.
Red Steer, 2-8-10	.2										1.8	5.6			2.4		10.	
Red Steer, 2-8-5	.2										1.8	5.6			2.4		5.	
Red Steer, 1-9-4											1.	7.65			1.35		4.	
Red Steer, 0-12-5												12.					5.	
Superphosphate, 0-16-0												16.						
Kainit, 0-0-12.40																		
Tennessee Corp., Lockland, Ohio.																		
Loma, 5-10-4	3.7	.4	.35				.55					10.				4.		
I. P. Thomas & Son Co., Phila., Pa.																		
7% Guano, 7-6-5	5.	.5	.5	.5			.5					6.				5.		
Fish and Potash Fertilizer, 5-8-5	3.5	.5	.25	.25			.5					8.				5.		
Sweet Potato, 3-8-8	2.5		.5									8.				8.		
Victor Potash Fertilizer, 2-8-5	1.5		.5									8.				5.		
I. P. Thomas, 1-9-4	.7		.3									9.				4.		
Potash Mixture, 0-12-5												12.				5.		
Kainit, 0-0-14																		

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Bone	Base Goods	Cyanamid	Garbage Tankage	Cocoa Meal	Humus	Poultry Manure	Super Phosphate	Tankage	Fish	Bone	Muriate	Manure Salts	Sulphate
Wm. B. Tilghman Co., Salisbury, Md.																		
Pure Raw Bone Meal, 4½-Tot. 21½-0																		
Nitrate of Soda, 18-0-0																		
Irish P. Guano, 7-6-5	5.		.8	.7							.5	5.2	.5	.3		5.		
Topdresser, 6-6-6	3.	2.4									.6	6.				6.		
Early Truck Guano, 5-8-5	3.5		.4	.7							.4	7.2	.5	.3		5.		
Mixture "A", 4-8-10	2.8		.4	.5							.3	7.5	.3	.2		10.		
Melon Mixture, 4-8-6	1.5		.2	2.							.3	7.		1.		6.		
Mixture "B", 4-8-4	2.6		.4	.7							.3	7.5	.3	.2		3.	1.	
"S. P." Mixture, 3-8-8	1.9		.3	.5							.3	7.6	.2	.2		8.		
High Grade Potash Mixture, 2-8-10	1.2		.2	.3							.3	7.6	.2	.2		10.		
Standard, 2-8-5	1.2		.2	.3							.3	7.6	.2	.2		2.5	2.5	
Special Grain Fertilizer, 1-10-5	.6		.2								.2	9.8	.2			3.	2.	
Super Phosphate, 0-16-0												16.						
Kainit, 0-0-12.40																		
F. W. Tunnell & Co., Inc., Phila., Pa.																		
Nitrate of Soda, 18-0-0																		
Virginia Potato Manure, 7-6-5	3.75	1.75	1.5									5.	1.			5.		
7% Tankage, 7-0-0																		
Three M Potato Manure, 4-8-7	1.7	.8	1.5									7.	1.			7.		
Vegetable and Fruit Grower, 3-8-8	1.25	.5	1.25									7.	1.			8.		
Red Diamond Pot. and Truck Guano, 2-8-10	.75	.5	.75									7.	1.			10.		
Fish Manure, with Potash. 2-10-6	.75	.5	.5	.25								8.	2.			6.		
Veribest Cereal Manure, 2-8-5	.5		1.5									7.	1.			5.		
Wheat and Cereal Manure, 1-9-4			1.									7.5	1.5			2.	2.	
Tunnell's Special, 1-8-6			1.									7.	1.			3.	3.	
Acid Phosphate, 0-16-0												16.						
Urbana Laboratories, Urbana, Ill.																		
Urbana Culture																		

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Bone	Urea	Cyanamid	Garbage Tankage	Cocoa Meal	Tobacco Stems	Ammonium Phosphate	Super Phosphate	Tankage	Fish	Bone	Muriate	Manure Salts	Sulphate
E. S. Valliant & Son, Centreville, Md.																		
Standard, 1-9-4	.43						.42	.15				9.						*4.
Ideal, 0-12-6												12.					6.	
Harvest, 0-12-5												12.					4.	*1.
W. H. Valliant & Bro., Bellevue, Md.																		
Corn Special, 3-0-5	1.	1.		1.													5.	
Fish Special, 2-8-6	.5	.5		1.								8.				6.		
Phosphate, 1-8-4	.25	.25		.5								8.				4.		
Phosphate, 0-12-5												12.					5.	
Lime and Potash, 0-0-5																	5.	
Virginia-Carolina Chemical Corp., Baltimore, Md.																		
V-C Tobacco Bed Special, 10-5-0	7.8	1.92		.13						.15		5.						
V-C 7% Truck Fertilizer, 7-6-5	3.4	.2	.65	.1		1.1		†.4		.15	1.	6.				4.5		‡.5
V-C Virginia Trucker, 5-8-5	1.9		.5	.1		.7	.2	†.5		.1	1.	8.				4.5		‡.5
V-C Double Empire Brand, 4-16-6	1.9			.1			.37	†.55		.08	1.	16.				5.75		‡.25
V-C Double Owl Brand, 4-8-7	1.21		.45	.09		.51	.2	†.5		.14	.9	8.				6.6		‡.4.
V-C XXXX Fish and Potash, 4-8-4	1.4		.4	.08		.56	.2	†.44		.12	.8	8.				1.4	2.2	‡.4
V-C Super 26 Fertilizer, 2-16-8				.12				†.45		.15	1.28	16.				7.5		‡.5
V-C Owl Brand Fertilizer, 2-12-4				.05				†.6		.15	1.2	12.				2.5	1.	‡.5
V-C Valley Pride, 2-12-2				.1				†.55		.15	1.2	12.					1.5	‡.5
V-C Indian Brand Fertilizer, 2-8-10				.1				†.5		.15	1.25	8.				5.	4.5	‡.5
V-C Fish, Bone and Potash, 2-9-3	.4			.15	.07					.38	1.	9.					1.75	‡1.25
V-C Universal Crop Manure, 2-8-5				.1				†.55		.15	1.2	8.					4.5	‡ .5
V-C Star Brand Fertilizer, 1-9-4				.1				†.6		.3		9.					3.	‡1.
Pure Raw Bone, 4½-Total 21.51-0																		
Fine Ground Bone, 3-Total 22.88-0																		
Sulphate of Ammonia, 25-0-0																		
Nitrate of Soda, 18-0-0																		
Gound Tankage, 9-0-0																		
Muriate of Potash, 0-0-48																		
Genuine Imported Kainit, 0-0-14																		

* Kainit. † Tankage Base. ‡ Tobacco Stems.

FIRMS AND BRANDS	Ammonia											Phosphoric Acid—Available				Potash—Soluble		
	Sulphate	Nitrate of Soda	Tankage	Fish	Castor Pomace	Urea	Cyanamid	Cotton Seed Meal	Cocoa Shell Meal	Humus	Ammonium Phosphate	Super Phosphate	Tankage	Ammonium Phosphate	Bone	Muriate	Manure Salts	Sulphate
Virginia-Carolina Chemical Co., Baltimore, Md. (Cont.)																		
V-C Superphosphate, 0-20-0																		
V-C High Grade Potash Mixture, 0-12-5												12.				2.5	1.75	*.75
V-C Superphosphate, 0-16-0												16.						
V-C Phospho Tobacco, 0-14-0												14.						
BloomAid, Tablet Form, 12-14-6	8.18										3.82			14.				6.
BloomAid, Liquid Form, 12-14-6	2.69	6.									3.31			14.				6.
BloomAid, 6-10-4	5.					.8			*.2			10.				4.		
V-C Fairway Fertilizer, 8-6-5	5.				.7	.8	.5	.85	*.15			6.				4.25		.75
Walker-Gordon Farms, Juliustown, N. J.																		
Driconure, 1½-1.80-1.25																		
Wessel, Duval & Co., New York, N. Y.																		
Chilean Nitrate of Soda, 18.54-0-0																		
Worcester Fertilizer Co., Inc., Snow Hill, Md.																		
Correct Plant Food Mixture, 7-6-5	4.5	.4	1.4	.7								6.				5.		
Correct Plant Food Mixture, 5-8-5	3.4	.2	1.	.4								8.				5.		
Superphosphate, 0-16-0												16.						
York Chemical Works, York, Pa.																		
Dempwolf's High Test, 8-16-14	7.1		.5						.4			16.				14.		
Dempwolf's Garden Fertilizer, 5-8-5	4.7								.3			8.						5.
Dempwolf's Four-Sixteen-Ten, 4-16-10	3.3		.4						.3			16.				10.		
Dempwolf's Two-Twelve-Four, 2-12-4	1.7		.3									12.				1.	3.	
Dempwolf's Standard, 2-8-5	1.7		.3									8.					5.	
Dempwolf's Standard Potash, 1-9-4	.7		.3									9.					4.	
Dempwolf's Superphosphate, 0-20-0												20.						
Dempwolf's Twelve and Five, 0-12-5												12.					5.	
Dempwolf's Superphosphate, 0-16-0												16.						

* Tobacco Stems.

CLASSIFICATION OF FERTILIZERS EXAMINED DURING 1930

In 1930, official sampling agents secured from dealers or in transit, 1,273 samples of fertilizers or fertilizing materials. All were subjected to chemical examination. Of the above number of samples, 414 are covered by reports in this bulletin, representing shipments and sales made from July 1, 1930, to January 1, 1931.

All fertilizers and fertilizing materials analyzed by this department in 1930 have been classified according to their chief active ingredient. These data have been summarized for the reader's convenience in the following table:

1. Containing nitrogen as the chief active ingredient:	
Nitrate of soda	19
Sulphate of ammonia	12
Urea	2
2. Containing phosphoric acid as the chief active ingredient:	
Superphosphate	86
Lime phosphate	11
3. Containing potash as the chief active ingredient:	
Sulphate of potash	5
Muriate of potash	10
Kainit	25
Manure salts	4
4. Containing nitrogen and potash:	
Nitrogen and potash	0
5. Containing nitrogen and phosphoric acid:	
Tankage	2
Ground bone	31
6. Mixed fertilizers:	
Containing nitrogen and phosphoric acid	12
Containing phosphoric acid and potash	72
Containing nitrogen, phosphoric acid, and potash	961
7. Miscellaneous fertilizers:	
Sheep manure	11
Sheep and goat manure	1
Blood meal	2
Cattle manure	1
Other miscellaneous	6
	1273

* Tobacco Stems.

COMPARATIVE VALUES

The valuations adopted for the past fall season and given below are chiefly of use in making comparisons of the relative values of the various fertilizers analyzed.

It has been found impossible to fix a single scale of valuations adapted to the numerous points of consumption throughout the State, as there is in some cases quite a difference existing in the transportation charges from points of manufacture to user. It is our desire to show the average cost of fertilizer materials to manufacturers f. o. b. Baltimore, without taking into consideration expenses incidental to manufacture and distribution together with a fair manufacturer's profit.

The valuations employed in this bulletin for calculating the approximate relative values of fertilizers are as follows:

Table for Calculating Fertilizer Values

	Per Unit
(1) Nitrogen calculated as ammonia	$4.00
(2) Available phosphoric acid:	
(a) In mixed fertilizers or in dissolved rock	.80
(b) In tankage or ground bone	.60
(3) Insoluble phosphoric acid	.15
(4) Potash	.80

VALUES

To compute values of fertilizers on this scale, multiply the percentage of each plant food in the fertilizer by the respective value per unit given in the table and add the results together.

Take for example a complete fertilizer with an analysis of 2-8-5. We would have two per cent. of ammonia, eight per cent. of phosphoric acid, and five per cent. of potash. Since by the preceding table ammonia is worth $4.00 per unit, available phosphoric acid, 80 cents, and potash, 80 cents, we have $18.40.

2 × $4.00 = $8.00, value of ammonia
8 × .80 = 6.40, value of phosphoric acid
5 × .80 = 4.00, value of potash

$18.40, value of fertilizer per ton.

TABLES

The following pages contain the guarantees and analyses of brands of commercial fertilizers examined from July 1, 1930, to January 1, 1931.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		SUPERPHOSPHATE				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
American Agricultural Chemical Co.,	**New York, N. Y.**												
A. A. Superphosphate	Baltimore	....	....	....	....	**1.30**	....	**16.80**	16.00	....	....	**$13.64**	$12.80
A. A. Superphosphate	Baltimore	....	....	....	....	**1.25**	....	**17.05**	16.00	....	....	**13.83**	12.80
A. A. Superphosphate	Baltimore	....	....	....	....	**1.40**	....	**16.20**	16.00	....	....	**13.17**	12.80
A. A. Superphosphate	Baltimore	....	....	....	....	**1.50**	....	**16.10**	16.00	....	....	**13.11**	12.80
A. A. Acme Fertilizer	Baltimore	**.65**	.50	**.99**	1.00	**1.25**	....	**9.35**	9.00	**4.10**	4.00	**14.91**	14.40
A. A. Acme Fertilizer	Baltimore	**.60**	.50	**.98**	1.00	**1.25**	....	**9.45**	9.00	**4.36**	4.00	**15.16**	14.40
Agrico for Grain	Baltimore	**1.72**	1.25	**1.98**	2.00	**1.40**	....	**12.60**	12.00	**4.04**	4.00	**21.44**	20.80
Agrico for Grain	Baltimore	**1.84**	1.25	**1.98**	2.00	**1.35**	....	**12.55**	12.00	**4.36**	4.00	**21.65**	20.80
Agrico for Grain	Baltimore	**1.79**	1.25	**2.01**	2.00	**.75**	....	**12.55**	12.00	**4.00**	4.00	**21.39**	20.80
Agrico for Grain	Baltimore	**1.80**	1.25	**2.00**	2.00	**1.05**	....	**12.85**	12.00	**4.32**	4.00	**21.90**	20.80
Agrico for Grain	Baltimore	**1.86**	1.25	**2.03**	2.00	**.95**	....	**13.15**	12.00	**4.34**	4.00	**22.25**	20.80
Agrico for Grain	Baltimore	**1.75**	1.25	**2.01**	2.00	**1.45**	....	**12.35**	12.00	**4.38**	4.00	**21.64**	20.80
Agrico for Grain	Baltimore	**1.76**	1.25	**1.93**	2.00	**1.10**	....	**12.30**	12.00	**4.04**	4.00	**20.96**	20.80
A. A. Basic Lime Phosphate	Baltimore	....	....	....	....	**2.00**	....	**13.20**	13.00	....	....	**10.86**	10.40
A. A. Basic Lime Phosphate	Baltimore	....	....	....	....	**1.30**	....	**13.30**	13.00	....	....	**10.84**	10.40
A. A. Basic Lime Phosphate	Baltimore	....	....	....	....	**2.05**	....	**13.25**	13.00	....	....	**10.91**	10.40
A. A. Farmer's Friend Fertilizer	Baltimore	**1.67**	1.25	**2.01**	2.00	**1.70**	....	**12.40**	12.00	**4.30**	4.00	**21.66**	20.80
A. A. Farmer's Friend Fertilizer	Baltimore	**1.80**	1.25	**2.06**	2.00	**1.25**	....	**12.35**	12.00	**4.12**	4.00	**21.61**	20.80
A. A. Farmer's Friend Fertilizer	Ellicott City	**1.67**	1.25	**1.98**	2.00	**1.30**	....	**12.20**	12.00	**4.24**	4.00	**21.27**	20.80
A. A. Farmer's Friend Fertilizer	Boring	**1.88**	1.25	**2.08**	2.00	**1.75**	....	**11.95**	12.00	**4.80**	4.00	**21.98**	20.80
Kainit	Baltimore	....	....	....	....	....	....	....	....	**12.48**	12.40	....	....
A. A. Kangaroo Komplete Kompound	Baltimore	**1.79**	1.25	**2.20**	2.00	**1.50**	....	**9.50**	9.00	**3.24**	3.00	**19.22**	17.60
A. A. Kangaroo Komplete Kompound	Ellicott City	**1.55**	1.25	**2.03**	2.00	**1.35**	....	**9.55**	9.00	**3.32**	3.00	**18.62**	17.60
McComas Bros. High Grade	Bel Air	**2.01**	1.25	**2.18**	2.00	**1.75**	....	**8.55**	8.00	**5.36**	5.00	**20.11**	18.40
A. A. Old Hickory Fertilizer	Baltimore	**1.69**	1.25	**1.98**	2.00	**1.45**	....	**8.05**	8.00	**10.36**	10.00	**22.87**	22.40
Pure Raw Bone	Baltimore	....	....	**4.83**	4.50	....	....	***22.30**	*20.60	....	....	**32.70**	30.36

A. A. Red Dog Fertilizer	Baltimore	**1.52**	1.25	**1.98**	2.00	**1.30**	....	**8.40**	8.00	**5.18**	5.00	**18.98**	18.40
A. A. Red Dog Fertilizer	Baltimore	**1.69**	1.25	**1.98**	2.00	**1.40**	....	**8.60**	8.00	**5.22**	5.00	**19.19**	18.40
A. A. Red Dog Fertilizer	Baltimore	**1.71**	1.25	**1.98**	2.00	**1.25**	....	**8.45**	8.00	**5.00**	5.00	**18.87**	18.40
A. A. Red Dog Fertilizer	Bayside	**1.66**	1.25	**2.00**	2.00	**1.40**	....	**8.50**	8.00	**5.16**	5.00	**19.14**	18.40
A. A. Red Dog Fertilizer	Baltimore	**1.60**	1.25	**1.98**	2.00	**1.05**	....	**8.45**	8.00	**5.36**	5.00	**19.13**	18.40
A. A. Red Dog Fertilizer	Baltimore	**1.38**	1.25	**1.98**	2.00	**.70**	....	**8.50**	8.00	**5.40**	5.00	**19.15**	18.40
A. A. Red Dog Fertilizer	Baltimore	**1.65**	1.25	**2.08**	2.00	**1.05**	....	**8.35**	8.00	**5.32**	5.00	**19.42**	18.40
A. A. Red Dog Fertilizer	Baltimore	**1.77**	1.25	**2.06**	2.00	**1.35**	....	**8.55**	8.00	**5.20**	5.00	**19.44**	18.40
A. A. Victory Mixture	Baltimore	....	....	....	....	**1.15**	....	**12.15**	12.00	**5.32**	5.00	**14.15**	13.60
Listers Golden Crown Fertilizer	Boring	**1.69**	1.25	**1.98**	2.00	**1.60**	....	**8.00**	8.00	**10.12**	10.00	**22.66**	22.40
Armour Fertilizer Works, Balto., Md.													
Big Crop Superphosphate	Baltimore	....	....	....	....	**.10**	....	**16.70**	16.00	....	....	**13.38**	12.80
Big Crop Superphosphate	Ridgely	....	....	....	....	**.10**	....	**16.10**	16.00	....	....	**12.90**	12.80
Big Crop Superphosphate	Mt. Lake Park	....	....	....	....	**.10**	....	**17.30**	16.00	....	....	**13.86**	12.80
Big Crop Fertilizer 4-16-10	Providence	**3.80**	2.00	**4.06**	4.00	**.15**	....	**17.35**	16.00	**10.36**	10.00	**38.43**	36.80
Kainit	Salisbury	....	....	....	....	....	....	....	....	**14.40**	12.00	....	....
Lime Phosphate	Baltimore	....	....	....	....	**1.15**	....	**13.35**	13.00	....	....	**10.85**	10.40
Lime Phosphate	Baltimore	....	....	....	....	**1.55**	....	**13.25**	13.00	....	....	**10.83**	10.40
Lime Phosphate	Baltimore	....	....	....	....	**1.35**	....	**13.35**	13.00	....	....	**10.88**	10.40
Lime Phosphate	Baltimore	....	....	....	....	**.85**	....	**13.95**	13.00	....	....	**11.29**	10.40
Big Crop Fertilizer 1-9-4	Elkton	**.79**	.50	**1.13**	1.00	**.10**	....	**9.10**	9.00	**4.36**	4.00	**15.31**	14.40
Big Crop Fertilizer 1-9-4	Salisbury	**.80**	.50	**1.19**	1.00	**.10**	....	**9.40**	9.00	**4.38**	4.00	**15.80**	14.40
Big Crop Fertilizer 2-8-5	Baltimore	**1.90**	1.00	**2.10**	2.00	**.60**	....	**8.20**	8.00	**5.10**	5.00	**19.13**	18.40
Big Crop Fertilizer 2-8-5	Baltimore	**1.98**	1.00	**2.25**	2.00	**.90**	....	**8.60**	8.00	**5.00**	5.00	**20.02**	18.40
Big Crop Fertilizer 2-8-5	Baltimore	**1.93**	1.00	**2.20**	2.00	**.50**	....	**8.00**	8.00	**5.16**	5.00	**19.41**	18.40
Big Crop Fertilizer 2-8-5	Baltimore	**1.89**	1.00	**2.20**	2.00	**.90**	....	**8.40**	8.00	**5.00**	5.00	**19.66**	18.40
Big Crop Fertilizer 2-8-5	Clinton	**1.93**	1.00	**2.12**	2.00	**.50**	....	**8.70**	8.00	**5.32**	5.00	**19.78**	18.40
Big Crop Fertilizer 2-8-5	Bel Air	**2.01**	1.00	**2.18**	2.00	**.70**	....	**8.00**	8.00	**5.10**	5.00	**19.31**	18.40
Big Crop Fertilizer 2-8-5	Elkton	**2.01**	1.00	**2.18**	2.00	**.35**	....	**8.15**	8.00	**5.10**	5.00	**19.37**	18.40
Big Crop Fertilizer 2-8-5	Salisbury	**1.78**	1.00	**2.05**	2.00	**.10**	....	**8.40**	8.00	**5.12**	5.00	**19.04**	18.40
Big Crop Fertilizer 2-8-5	Manchester	**1.90**	1.00	**2.10**	2.00	**.40**	....	**8.00**	8.00	**5.20**	5.00	**19.02**	18.40
Big Crop Fertilizer 2-8-10	Salisbury	**1.79**	1.00	**2.17**	2.00	**.10**	....	**8.30**	8.00	**10.12**	10.00	**23.44**	22.40
Big Crop Fertilizer 2-12-4	Baltimore	**1.87**	1.00	**2.13**	2.00	**.55**	....	**12.05**	12.00	**4.24**	4.00	**21.63**	20.80
Big Crop Fertilizer 2-12-4	Bel Air	**2.01**	1.00	**2.18**	2.00	**.45**	....	**12.45**	12.00	**4.08**	4.00	**22.01**	20.80
Big Crop Fertilizer 2-16-8	Elkton	**1.84**	1.00	**2.01**	2.00	**1.05**	....	**16.55**	16.00	**8.16**	8.00	**27.97**	27.20
Big Crop Fertilizer 0-12-5	Elkton	....	....	....	....	**.15**	....	**12.35**	12.00	**5.22**	5.00	**14.08**	13.60
Big Crop Fertilizer 0-12-5	Salisbury	....	....	....	....	**.10**	....	**12.20**	12.00	**6.20**	5.00	**14.74**	13.60

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		SUPERPHOSPHATE				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Arundel Trucking Co., Balto., Md.													
Manuro	Baltimore	.22	.92	1.02	.90	....	....	*.70	*.60	.80	.50	$4.66	$4.42
Baltimore Fertilizer Company, Baltimore, Md.													
Honest Acid Phosphate	La Plata	....	....	....	....	.30	....	17.20	16.00	....	....	13.81	12.80
Honest 1-9-4	La Plata	.66	.31	1.04	1.00	.45	....	9.65	9.00	4.40	4.00	15.47	14.40
Honest 1-9-4	Baltimore	.68	.31	1.19	1.00	.65	....	9.05	9.00	4.36	4.00	15.59	14.40
Honest 1-9-4	Baltimore	.61	.31	1.02	1.00	.60	....	9.40	9.00	4.36	4.00	15.18	14.40
Honest 1-9-4	Glyndon	.61	.31	.87	1.00	.30	....	9.70	9.00	4.00	4.00	14.49	14.40
Honest 1-9-4	Baltimore	1.54	1.00	1.98	2.00	.35	....	8.45	8.00	5.24	5.00	18.92	18.40
Honest 2-8-5	Bel Air	1.74	1.00	2.34	2.00	.50	....	7.90	8.00	5.40	5.00	20.08	18.40
Honest 2-8-5	Glyndon	1.74	1.00	2.01	2.00	.25	....	9.15	8.00	5.00	5.00	19.40	18.40
Honest 2-8-5	Bel Air	1.50	1.00	1.98	2.00	.70	....	8.30	8.00	9.44	10.00	22.22	22.40
Honest 2-8-10	La Plata	.61	.31	1.04	1.00	.55	....	12.05	11.00	2.36	2.00	15.57	14.40
Old Honesty	Glyndon	.70	.31	.99	1.00	.25	....	11.25	11.00	2.40	2.00	14.92	14.40
Baugh & Sons Co., Baltimore, Md.													
Baughphos The Ideal Superphosphate	Waldorf	....	....	....	....	1.35	....	17.35	16.00	....	....	14.08	12.80
Baughphos The Ideal Superphosphate	Providence	....	....	....	....	1.35	....	17.55	16.00	....	....	14.24	12.80
Baughphos The Ideal Superphosphate	Woodbine	....	....	....	....	1.05	....	16.35	16.00	....	....	13.24	12.80
Commercial Crop Compound	Baltimore	1.70	.90	2.18	2.00	1.40	....	8.30	8.00	10.40	10.00	23.89	22.40
Commercial Crop Compound	Rising Sun	1.55	.90	2.06	2.00	1.60	....	9.40	8.00	10.40	10.00	24.32	22.40
Complete Animal Base Fertilizer	Baltimore	1.74	.90	2.08	2.00	1.30	....	8.40	8.00	5.24	5.00	19.43	18.40
Complete Animal Base Fertilizer	Rockville	1.54	.90	1.98	2.00	1.15	....	8.55	8.00	5.38	5.00	19.23	18.40
Complete Animal Base Fertilizer	Waldorf	1.60	.90	2.01	2.00	1.05	....	8.85	8.00	5.18	5.00	19.42	18.40
Complete Animal Base Fertilizer	Baltimore	1.59	.90	1.97	2.00	1.25	....	8.35	8.00	5.40	5.00	19.07	18.40

Complete Animal Base Fertilizer	Woodbine	**1.53**	.90	**1.97**	2.00	**.45**	....	**8.65**	8.00	**5.80**	5.00	**19.51**	18.40
Complete Animal Base Fertilizer	Boring	**1.62**	.90	**2.01**	2.00	**1.10**	....	**8.10**	8.00	**5.28**	5.00	**18.91**	18.40
Complete Animal Base Fertilizer	Myersville	**1.62**	.90	**2.01**	2.00	**1.00**	....	**8.40**	8.00	**5.24**	5.00	**19.10**	18.40
Complete Animal Base Fertilizer	Boonsboro	**1.64**	.90	**2.08**	2.00	**1.05**	....	**8.45**	8.00	**5.32**	5.00	**19.50**	18.40
Double Eagle Phosphate	Forest Hill	**1.62**	....	**2.08**	2.00	**1.40**	....	**12.40**	12.00	**4.20**	4.00	**21.81**	20.80
Double Eagle Phosphate	Jessup	**1.97**	....	**2.35**	2.00	**1.50**	....	**13.00**	12.00	**4.04**	4.00	**23.26**	20.80
Excelsior Guano	Waldorf	**.60**	.60	**.99**	1.00	**.85**	....	**9.35**	9.00	**4.28**	4.00	**14.99**	14.40
Excelsior Guano	Woodbine	**.68**	.60	**1.02**	1.00	**.60**	....	**10.00**	9.00	**4.24**	4.00	**15.56**	14.40
Excelsior Guano	Myersville	**.65**	.60	**1.08**	1.00	**1.10**	....	**9.20**	9.00	**4.10**	4.00	**15.13**	14.40
Half & Half Mixture with Potash	Providence	**.61**	....	**1.60**	1.50	**7.50**	....	**11.00**	10.00	**5.38**	5.00	**20.63**	18.00
Peruvian Guano Substitute	Laurel	**4.74**	3.65	**5.12**	5.00	**.65**	....	**8.95**	8.00	**5.34**	5.00	**32.01**	30.40
Phosphate and Potash	Rising Sun	....	....	....	....	**1.15**	....	**12.75**	12.00	**5.08**	5.00	**14.43**	13.60
Phosphate and Potash	Woodbine	....	....	....	....	**.70**	....	**12.40**	12.00	**5.20**	5.00	**14.19**	13.60
Sheep Manure	Rockville	....	....	**2.62**	2.43	....	....	***.70**	*1.00	**2.24**	1.00	**12.69**	11.12
Wheat Fertilizer for Wheat and Grass	Baltimore	**1.66**	.90	**2.12**	2.00	**1.35**	....	**9.85**	9.00	**3.10**	3.00	**19.04**	17.60
Belt Seed Co., Inc., Baltimore, Md.													
Lawnspur	Baltimore	**5.26**	....	**5.72**	5.00	**.10**	....	**10.00**	10.00	**5.20**	5.00	**35.06**	32.00
J. Bolgiano Seed Co., Baltimore, Md.													
Blood Meal	Baltimore	....	....	**16.86**	16.00	....	....	....	....	....	....	....	....
Bone Meal	Baltimore	....	....	**4.57**	3.00	....	....	***23.10**	*22.00	....	....	**32.14**	25.20
Herbert Bryant's Son, Alexandria, Va.													
Animal Bone Compound	Gaithersburg	**.70**	1.21	**2.17**	2.00	**6.25**	....	**8.45**	8.00	**4.00**	3.00	**19.58**	16.80
Belle Haven Ammoniated	Gaithersburg	**1.40**	1.21	**1.98**	2.00	**.80**	....	**8.40**	8.00	**5.04**	5.00	**18.79**	18.40
Corn King	Dickerson	**.67**	....	**1.37**	1.25	**1.10**	....	**9.60**	10.00	**2.20**	2.00	**15.09**	14.60
Genuine Fish and Potash	Gaithersburg	**1.28**	1.21	**2.00**	2.00	**1.15**	....	**9.95**	9.00	**2.20**	2.00	**17.89**	16.80
Genuine Fish and Potash	Gaithersburg	**1.28**	1.21	**1.98**	2.00	**1.10**	....	**8.50**	9.00	**2.18**	2.00	**16.63**	16.80
Genuine Fish and Potash	Bethesda	**1.48**	1.21	**2.13**	2.00	**1.10**	....	**8.60**	9.00	**2.22**	2.00	**17.35**	16.80
Central Chem. Co., Hagerstown, Md.													
"Gro-All" Dissolved Phosphate	Hancock	....	....	....	....	**.55**	....	**16.95**	16.00	....	....	**13.64**	12.80
"MBW" Caroline Special	Baltimore	**.69**	.31	**1.18**	1.00	**.55**	....	**9.75**	10.00	**4.40**	4.00	**16.12**	15.20
"Gro-All" Crown Jewel	Frederick	**.84**	.31	**1.11**	1.00	**.10**	....	**9.70**	9.00	**4.36**	4.00	**15.71**	14.40
"Gro-All" Excelsior	Baltimore	**1.49**	.60	**1.98**	2.00	**.45**	....	**8.45**	8.00	**5.24**	5.00	**18.94**	18.40
"Gro-All" Excelsior	Lineboro	**1.33**	.60	**1.76**	2.00	**.20**	....	**8.00**	8.00	**5.26**	5.00	**17.68**	18.40
"Gro-All" Excelsior	Frederick	**1.75**	.60	**2.06**	2.00	**.75**	....	**8.35**	8.00	**5.00**	5.00	**19.03**	18.40

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		SUPERPHOSPHATE				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Central Chem. Co., Hagerstown, Md. (Continued)													
"Gro-All" Fish and Potash Compound	Hancock	.64	.31	1.25	1.25	.75	....	9.55	9.00	4.00	4.00	$15.95	$15.40
"MBW" Fruit Special	Baltimore	1.34	.60	1.77	2.00	.50	....	8.10	8.00	5.32	5.00	17.90	18.40
"Gro-All" Potash Special	Frederick	....	....	....	....	1.11	....	12.06	12.00	5.40	5.00	14.14	13.60
"Gro-All" Potash Special	Frederick	....	....	....	....	1.00	....	12.00	12.00	5.00	5.00	13.75	13.60
"Gro-All" Potash Special	Hancock	....	....	....	....	.15	....	12.75	12.00	5.40	5.00	14.54	13.60
"MBW" Special Wheat Mixture	Centreville	1.40	.60	2.00	2.00	.10	....	12.70	12.00	5.36	5.00	22.47	21.60
"Gro-All" Super-Fish	Frederick	1.06	.60	2.12	2.00	1.10	....	11.90	12.00	6.20	6.00	23.13	22.40
"MBW" Wheat and Grass	Centreville	....	....	....	....	2.70	....	8.60	10.00	5.90	5.00	12.01	12.00
"MBW" Wheat and Grass	Baltimore	....	....	....	....	3.75	....	7.85	10.00	5.40	5.00	11.16	12.00
Chewsville Cooperative Association, Chewsville, Md.													
Wyand's Superphosphate	Chewsville	....	....	....	....	1.25	....	19.05	16.00	....	....	15.43	12.80
Wyand's Golden Harvest	Chewsville	1.96	....	2.39	2.00	1.25	....	10.45	10.00	5.76	5.00	22.72	20.00
Wyand's Phosphate and Potash Mix.	Chewsville	....	....	....	....	.95	....	12.85	12.00	5.32	5.00	14.68	13.60
Super Grain and Grass Grower	Chewsville	3.40	....	3.69	4.00	1.15	....	12.05	12.00	8.24	8.00	31.16	32.00
Clark & Owings, Ellicott City, Md.													
Mixture "C"	Ellicott City	.88	....	2.35	2.25	4.75	....	10.15	10.00	4.40	4.00	21.75	20.20
Mixture "D"	Ellicott City	.95	.50	2.20	2.00	.55	....	10.25	9.00	2.38	2.00	18.98	16.80
Devilbiss Bros., New Windsor, Md.													
Acid Phosphate	New Windsor	....	....	....	....	.45	....	15.85	16.00	....	....	12.75	12.80
Butcher House Phosphate	New Windsor	.91	.30	1.11	1.00	.90	....	11.00	10.00	6.00	5.00	18.18	16.00
2-8-5	New Windsor	1.81	....	2.08	2.00	.60	....	10.50	8.00	5.34	5.00	21.08	18.40
Wheat Grower	New Windsor	.85	.30	1.19	1.00	.65	....	10.05	9.00	4.00	3.00	16.10	13.60

Dorchester Fertilizer Company, Cambridge, Md.													
Bone Mixture	Cambridge	.89	....	1.13	1.00	1.10	....	10.90	10.00	6.36	6.00	18.50	16.80
Crab Mixture	Cambridge	1.67	1.50	2.01	2.00	.30	....	8.20	8.00	6.74	6.00	20.04	19.20
Harvest	Cambridge	....	....	....	....	.80	....	12.20	12.00	5.20	5.00	14.04	13.60
Dorco Favorite	Cambridge	1.71	....	1.98	2.00	.15	....	8.35	8.00	10.40	10.00	22.94	22.40
Dorco Ideal	Cambridge	1.80	1.50	2.06	2.00	.15	....	12.65	12.00	5.34	5.00	22.65	21.60
Dorco Leader	Cambridge	....	....	....	....	.25	....	13.85	13.00	6.34	7.00	16.19	16.00
Dorco Standard	Cambridge	....	....	....	....	.35	....	10.45	10.00	11.60	10.00	17.69	16.00
Dorco Winner	Cambridge	....	....	....	....	.85	....	12.15	12.00	6.20	6.00	14.81	14.40
Old Dorset	Cambridge	.72	....	.99	1.00	.55	....	9.15	9.00	5.88	5.00	16.06	15.20
Our Special	Cambridge	1.73	1.50	2.00	2.00	.80	....	8.50	8.00	6.00	5.00	19.72	18.40
Eastern Guano Co., Hagerstown, Md.													
Superphosphate	Lydia	....	....	....	....	.75	....	16.75	16.00	....	....	13.51	12.80
Superphosphate	Reid	....	....	....	....	.15	....	17.35	16.00	....	....	14.02	12.80
Farmers Pride	Lydia	1.58	.60	1.99	2.00	.20	....	8.90	8.00	5.00	5.00	19.11	18.40
Imperial	Reid	1.64	.60	2.00	2.00	.15	....	9.05	8.00	10.00	10.00	23.26	22.40
2-12-6	Reid	1.86	.50	2.06	2.00	.15	....	12.65	12.00	6.30	6.00	23.42	22.40
Edelen Bros., Baltimore, Md.													
Wheat and Grain Mixture	Baltimore	1.62	.60	2.13	2.00	.50	....	8.60	8.00	5.36	5.00	19.77	18.40
Wheat and Grain Mixture	Baltimore	1.62	.60	2.08	2.00	.60	....	8.60	8.00	5.30	5.00	19.53	18.40
Wheat and Grain Mixture	Baltimore	1.55	.60	2.10	2.00	.20	....	8.20	8.00	5.90	5.00	19.71	18.40
Wheat and Grain Mixture	Baltimore	1.49	.60	2.00	2.00	.45	....	8.75	8.00	5.30	5.00	19.31	18.40
Wheat and Grain Mixture	Baltimore	1.54	.60	1.98	2.00	.45	....	8.85	8.00	5.20	5.00	19.23	18.40
Farmers Cooperative Association, Frederick, Md.													
2-12-6	Frederick	1.76	.60	2.00	2.00	.15	....	13.25	12.00	5.54	6.00	23.05	22.40
Farmers Fertilizer & Feed Company, Westminster, Md.													
Acid Phosphate	Westminster	....	....	....	....	1.50	....	15.30	16.00	....	....	12.47	12.80
Acid and Potash	Westminster	....	....	....	....	.95	....	12.15	12.00	5.04	5.00	13.89	13.60
Farmers Favorite	Westminster	.87	.60	1.21	1.00	.60	....	10.10	10.00	5.12	5.00	17.11	16.00
Potash Special	Westminster	1.67	1.20	1.98	2.00	.30	....	8.20	8.00	10.40	10.00	22.85	22.40
Potato Grower	Union Bridge	1.86	1.20	2.20	2.00	.80	....	8.20	8.00	5.30	5.00	19.72	18.40

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		SUPERPHOSPHATE				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Farmers Fert & Feed Co. (Cont.)													
Potato Grower	Westminster	**1.76**	1.20	**2.10**	2.00	**1.00**	....	**7.70**	8.00	**5.14**	5.00	**$18.82**	$18.40
XX	Union Bridge	**.67**	.80	**1.01**	1.00	**1.25**	....	**8.65**	9.00	**3.20**	3.00	**13.71**	13.60
XX	Westminster	**.70**	.60	**1.04**	1.00	**.90**	....	**9.00**	9.00	**3.40**	3.00	**14.22**	13.60
XXX	Westminster	**.99**	.60	**1.30**	1.00	**.80**	....	**9.00**	9.00	**4.38**	4.00	**16.02**	14.40
Farmers & Planters Company, Salisbury, Md.													
Rock and Kainit	Salisbury	....	....	....	....	**.65**	....	**7.25**	7.00	**5.38**	5.00	**10.20**	9.60
Special Fish Mixture	Salisbury	**1.59**	....	**2.12**	2.00	**2.20**	....	**7.00**	8.00	**5.90**	5.00	**19.13**	18.40
Special Potash Mixture	Salisbury	....	....	....	....	**1.05**	....	**11.55**	12.00	**5.40**	5.00	**13.72**	13.60
Griffith & Boyd Co., Baltimore, Md.													
Fish, Blood and Potash	Elk Mills	**1.30**	.30	**1.83**	1.75	**.50**	....	**10.90**	10.25	**2.04**	2.00	**17.75**	16.80
Pure Fine Ground Bone Meal	Baltimore	....	....	**4.73**	4.50	....	....	***22.00**	*20.00	....	....	**32.12**	30.00
Special Guano	Baltimore	**1.54**	.48	**2.10**	2.00	**.55**	....	**8.25**	8.00	**5.32**	5.00	**19.34**	18.40
Special Guano	Baltimore	**1.62**	.48	**2.05**	2.00	**.35**	....	**8.95**	8.00	**5.24**	5.00	**19.60**	18.40
Special Guano	Laurel	**1.40**	.48	**2.00**	2.00	**.45**	....	**8.15**	8.00	**5.38**	5.00	**18.89**	18.40
Griffith & Turner Co., Balto., Md.													
Ammoniated Butchers Bone	Baltimore	**.90**	....	**1.53**	1.25	**.80**	....	**9.60**	9.00	**1.80**	1.50	**15.36**	13.40
Animal Bone Phosphate	Baltimore	**2.12**	.60	**2.90**	2.50	**1.45**	....	**10.05**	10.00	**2.30**	1.50	**21.70**	19.20
Soft Ground Bone	Baltimore	....	....	**2.99**	3.00	....	....	***8.20**	*11.00	....	....	**16.88**	18.60
Special Truck Mixture	Baltimore	**3.06**	.97	**4.08**	4.00	**.30**	....	**9.00**	8.00	**6.00**	6.00	**28.37**	27.20
Gro-Wer Plant Food Company, Westminster, Md.													
Gro-Wer Plant Food	Westminster	**1.06**	5.00	**4.30**	8.00	**1.75**	....	***6.60**	*7.00	**8.10**	6.00	**27.88**	41.00

Hampstead Fertilizer Co. Hampstead, Md.													
Superphosphate	Hampstead	....	....	....	....	**.80**	....	**16.00**	16.00	....	....	**12.92**	12.80
1-8-4	Hampstead	**.60**	.49	**1.13**	1.00	**.20**	....	**8.60**	8.00	**4.32**	4.00	**14.89**	13.60
2-8-10	Hampstead	**1.65**	1.00	**2.18**	2.00	**.35**	....	**8.65**	8.00	**10.00**	10.00	**23.69**	22.40
2-8-5	Hampstead	**1.51**	1.00	**1.97**	2.00	**.30**	....	**8.30**	8.00	**5.36**	5.00	**18.86**	18.40
Chester R. Hood, Mt. Airy, Md.													
Special Mixture	Mt. Airy	**.81**	....	**1.19**	1.00	**1.25**	....	**9.85**	10.00	**6.00**	5.00	**17.63**	16.00
Hubbard Fert. Co., Baltimore, Md.													
Alkaline	Baltimore	....	....	....	....	**.70**	....	**12.30**	12.00	**5.04**	5.00	**13.98**	13.60
Jersey Trucker	Maple Grove	**1.61**	1.00	**2.05**	2.00	**.45**	....	**8.25**	8.00	**10.04**	10.00	**22.90**	22.40
Money Maker Fertilizer	Maple Grove	**1.49**	1.00	**1.98**	2.00	**.45**	....	**8.15**	8.00	**5.36**	5.00	**18.80**	18.40
2-12-4 Fertilizer	Baltimore	**1.63**	1.00	**2.18**	2.00	**.35**	....	**12.15**	12.00	**4.24**	4.00	**21.88**	20.80
M. P. Hubbard & Co., Inc., Balto, Md.													
Big Crop Guano	Providence	**1.42**	.60	**1.98**	2.00	**.45**	....	**8.05**	8.00	**5.38**	5.00	**18.73**	18.40
Celebrated Alkaline Compound	Providence	....	....	....	....	**.45**	....	**12.35**	12.00	**5.38**	5.00	**14.25**	13.60
Koppers Products Co., Pittsburgh, Pa.													
Velvet Lawn (Sulphate of Ammonia) Fertilizer	Baltimore	....	....	**25.34**	25.20	....	....	....	....	....	....	....	....
Maryland Milling & Supply Co., Sykesville, Md.													
Dietrich's Favorite	Sykesville	**.65**	.48	**1.09**	1.00	**1.40**	....	**8.20**	8.00	**4.34**	4.00	**14.60**	13.60
1930 Mixture	Sykesville	**.42**	1.80	**.80**	2.00	**.75**	....	**13.65**	12.00	**6.18**	4.00	**19.17**	20.80
Phosphate and Potash	Sykesville	....	....	....	....	**.10**	....	**13.20**	12.00	**5.40**	5.00	**14.90**	13.60
Massey & Wilmer Co., Chestertown, Md.													
Crop Producer	Chestertown	**.60**	....	**.98**	1.00	**1.35**	....	**9.15**	9.00	**4.24**	4.00	**14.83**	14.40
Super-Phosphate	Chestertown	....	....	....	....	**.85**	....	**12.65**	12.00	**5.36**	5.00	**14.54**	13.60
Trustworthy Superphosphate	Chestertown	**1.62**	.97	**2.00**	2.00	**1.70**	....	**8.20**	8.00	**5.40**	5.00	**19.14**	18.40
Medford Fert. Works, Medford, Md.													
1-8-5	Medford	**.55**	.25	**1.08**	1.00	**.50**	....	**8.20**	8.00	**5.34**	5.00	**15.23**	14.40
1-10-5	Medford	**.63**	.25	**1.04**	1.00	**.45**	....	**10.05**	10.00	**5.36**	5.00	**16.56**	16.00
2-8-5	Medford	**1.50**	.25	**1.88**	2.00	**.50**	....	**8.50**	8.00	**5.40**	5.00	**18.72**	18.40

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		SUPERPHOSPHATE				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Fred. Mehring Fertilizer Works, Inc.,	**Keymar, Md.**												
Superphosphate	Keymar	....	....	....	....	**.50**	....	**16.20**	16.00	....	....	**$13.04**	$12.80
Big Four	Keymar	**.86**	.62	**1.20**	1.00	**1.75**	....	**9.05**	9.00	**4.76**	4.00	**16.11**	14.40
Big Four	Woodsboro	**.67**	.62	**1.06**	1.00	**1.70**	....	**9.00**	9.00	**4.90**	4.00	**15.62**	14.40
Indian Chief	Keymar	**1.69**	1.30	**1.98**	2.00	**1.25**	....	**12.05**	12.00	**6.76**	6.00	**23.16**	22.40
Indian Chief	Woodsboro	**1.69**	1.30	**2.00**	2.00	**1.55**	....	**11.25**	12.00	**6.32**	6.00	**22.29**	22.40
Mamouth Truck Grower	Keymar	**1.57**	1.30	**1.88**	2.00	**1.25**	....	**8.45**	8.00	**5.20**	5.00	**18.63**	18.40
Mamouth Truck Grower	Woodsboro	**1.61**	1.30	**2.05**	2.00	**1.40**	....	**7.60**	8.00	**5.20**	5.00	**18.65**	18.40
Miller Fertilizer Co., Balto., Md.													
Superphosphate	Baltimore	....	....	....	....	**.65**	....	**16.35**	16.00	....	....	**13.18**	12.80
Superphosphate	Bayside	....	....	....	....	**.65**	....	**16.85**	16.00	....	....	**13.58**	12.80
Superphosphate	Baltimore	....	....	....	....	**.85**	....	**16.65**	16.00	....	....	**13.45**	12.80
Superphosphate	Perryman	....	....	....	....	**.90**	....	**16.60**	16.00	....	....	**13.42**	12.80
Harvest Queen	Perryman	**.63**	....	**1.06**	1.00	**.55**	....	**9.35**	9.00	**4.04**	4.00	**15.03**	14.40
Harvest Queen	Linwood	**.63**	....	**1.06**	1.00	**.50**	....	**9.00**	9.00	**4.40**	4.00	**15.04**	14.40
Harvest Queen	Walkersville	**.70**	....	**1.01**	1.00	**.45**	....	**9.05**	9.00	**4.32**	4.00	**14.81**	14.40
Mixed to Order 1-9-3	Linwood	**.85**	....	**1.19**	1.00	**.50**	....	**9.00**	9.00	**4.00**	3.00	**15.24**	13.60
Mixed to Order 1-10-5	Linwood	**.87**	....	**1.21**	1.00	**.45**	....	**10.05**	10.00	**5.30**	5.00	**17.19**	16.00
No. 1 Potato and Vegetable Grower	Baltimore	**3.38**	3.00	**3.96**	4.00	**.20**	....	**8.30**	8.00	**4.24**	4.00	**25.90**	25.60
1-12-5	Baltimore	**.70**	....	**1.06**	1.00	**.40**	....	**11.30**	12.00	**5.28**	5.00	**17.56**	17.60
1-12-5	Walkersville	**.92**	....	**1.09**	1.00	**.95**	....	**12.05**	12.00	**5.20**	5.00	**18.30**	17.60
Pure Ground Raw Bone	Baltimore	....	....	**4.78**	4.50	....	....	***22.10**	*21.50	....	....	**32.38**	30.90
2-8-5	Baltimore	**1.73**	1.00	**2.17**	2.00	**.35**	....	**8.40**	8.00	**5.00**	5.00	**19.17**	18.40
2-8-5	Rising Sun	**1.59**	1.00	**2.15**	2.00	**.35**	....	**8.65**	8.00	**5.10**	5.00	**19.65**	18.40
2-8-5	Fowblesburg	**1.47**	1.00	**1.98**	2.00	**.25**	....	**8.45**	8.00	**5.24**	5.00	**18.91**	18.40
2-8-5	Linwood	**1.52**	1.00	**1.98**	2.00	**.35**	....	**8.45**	8.00	**5.10**	5.00	**18.81**	18.40

2-8-5	Laurel	**1.43**	1.00	**1.98**	2.00	**.30**	....	**8.60**	8.00	**5.32**	5.00	**19.11**	18.40
2-12-4	Baltimore	**1.54**	1.00	**2.05**	2.00	**.60**	....	**12.20**	12.00	**4.06**	4.00	**21.30**	20.80
2-12-4	Baltimore	**1.47**	1.00	**2.00**	2.00	**.35**	....	**12.05**	12.00	**4.04**	4.00	**20.92**	20.80
2-12-4	Fowblesburg	**1.55**	1.00	**2.03**	2.00	**.35**	....	**12.05**	12.00	**4.16**	4.00	**21.14**	20.80
2-12-4	Baltimore	**1.54**	1.00	**2.07**	2.00	**.50**	....	**12.10**	12.00	**4.40**	4.00	**21.56**	20.80
2-12-6	Baltimore	**1.45**	1.00	**2.00**	2.00	**.40**	....	**12.00**	12.00	**6.66**	6.00	**22.99**	22.40
2-12-6	Walkersvillle	**1.50**	1.00	**2.01**	2.00	**.30**	....	**11.40**	12.00	**6.40**	6.00	**22.33**	22.40
0-12-5	Baltimore	....	....	....	....	**.85**	....	**12.35**	12.00	**5.30**	5.00	**14.25**	13.60
0-12-5	Baltimore	....	....	....	....	**.75**	....	**13.05**	12.00	**5.20**	5.00	**14.71**	13.60
0-12-5	Baltimore	....	....	....	....	**.85**	....	**12.45**	12.00	**5.10**	5.00	**14.17**	13.60
0-12-5	Elkton	....	....	....	....	**1.10**	....	**12.20**	12.00	**5.16**	5.00	**14.06**	13.60
0-12-5	Walkersville	....	....	....	....	**1.05**	....	**12.05**	12.00	**5.30**	5.00	**14.04**	13.60
N. V. Potash Export My, Baltimore, Md.													
Muriate of Potash	Chewsville	....	....	....	....	....	....	....	....	**51.60**	48.00	....	....
G. Ober & Sons Co., Baltimore, Md.													
Special Grade Superphosphate	Baltimore	....	..	....	....	**1.75**	....	**19.15**	18.00	....	....	**15.58**	14.40
Superphosphate High Grade	Baltimore	....	....	....	....	**1.75**	....	**16.15**	16.00	....	....	**13.18**	12.80
Superphosphate High Grade	Baltimore	....	....	....	....	**1.85**	....	**16.85**	16.00	....	....	**13.76**	12.80
Superphosphate High Grade	Denton	....	....	....	....	**2.35**	....	**14.25**	16.00	....	....	**11.75**	12.80
Superphosphate High Grade	Baltimore	....	....	....	....	**2.70**	....	**16.20**	16.00	....	....	**13.37**	12.80
Independent Mixture	Baltimore	**1.75**	1.60	**2.01**	2.00	**1.50**	....	**8.20**	8.00	**5.28**	5.00	**19.05**	18.40
Independent Mixture	Denton	**1.71**	1.60	**1.98**	2.00	**1.25**	....	**8.15**	8.00	**4.80**	5.00	**18.47**	18.40
Refined Ground Bone	Clements	....	....	**4.50**	4.50	....	....	***19.85**	*21.00	....	....	**29.91**	30.60
Refined Ground Bone	Baltimore	....	....	**4.86**	4.50	....	....	***21.20**	*21.00	....	....	**32.16**	30.60
Red Seal Corn and Wheat Guano	Baltimore	**1.81**	1.60	**2.01**	2.00	**1.50**	....	**12.60**	12.00	**4.00**	4.00	**21.55**	20.80
Red Seal Corn and Wheat Guano	Baltimore	**1.71**	1.60	**1.98**	2.00	**1.70**	....	**12.00**	12.00	**4.20**	4.00	**21.14**	20.80
Red Seal Corn and Wheat Guano	Baltimore	**1.81**	1.60	**2.05**	2.00	**1.75**	....	**12.45**	12.00	**4.28**	4.00	**21.84**	20.80
Red Seal Corn and Wheat Guano	Baltimore	**1.77**	1.60	**2.06**	2.00	**.75**	....	**13.25**	12.00	**4.32**	4.00	**22.41**	20.80
Red Seal Corn and Wheat Guano	Baltimore	**1.69**	1.60	**1.98**	2.00	**1.60**	....	**12.11**	12.00	**4.20**	4.00	**21.21**	20.80
Special Plant Food	Baltimore	**1.71**	1.60	**1.98**	2.00	**1.45**	....	**9.15**	9.00	**5.12**	5.00	**19.56**	19.20
Special Plant Food	Baltimore	**1.64**	1.60	**1.98**	2.00	**1.40**	....	**9.00**	9.00	**5.32**	5.00	**19.59**	19.20
Special Plant Food	Baltimore	**1.73**	1.60	**2.00**	2.00	**1.65**	....	**9.55**	9.00	**5.10**	5.00	**19.97**	19.20
Special Plant Food	Baltimore	**1.83**	1.60	**2.12**	2.00	**1.45**	....	**9.05**	9.00	**5.40**	5.00	**20.26**	19.20
Special Plant Food	Baltimore	**1.71**	1.60	**2.00**	2.00	**1.35**	....	**9.15**	9.00	**5.00**	5.00	**19.52**	19.20
Special Plant Food	Baltimore	**1.46**	1.60	**1.89**	2.00	**1.55**	....	**9.15**	9.00	**5.04**	5.00	**19.14**	19.20

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		SUPERPHOSPHATE				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Fred. Mehring Fertilizer Works, Inc., Keymar, Md.													
Superphosphate	Keymar	....	....	....	....	.50	....	16.20	16.00	....	....	$13.04	$12.80
Big Four	Keymar	.86	.62	1.20	1.00	1.75	....	9.05	9.00	4.76	4.00	16.11	14.40
Big Four	Woodsboro	.67	.62	1.06	1.00	1.70	....	9.00	9.00	4.90	4.00	15.62	14.40
Indian Chief	Keymar	1.69	1.30	1.98	2.00	1.25	....	12.05	12.00	6.76	6.00	23.16	22.40
Indian Chief	Woodsboro	1.69	1.30	2.00	2.00	1.55	....	11.25	12.00	6.32	6.00	22.29	22.40
Mamouth Truck Grower	Keymar	1.57	1.30	1.88	2.00	1.25	....	8.45	8.00	5.20	5.00	18.63	18.40
Mamouth Truck Grower	Woodsboro	1.61	1.30	2.05	2.00	1.40	....	7.60	8.00	5.20	5.00	18.65	18.40
Miller Fertilizer Co., Balto., Md.													
Superphosphate	Baltimore	....	....	....	....	.65	....	16.35	16.00	....	....	13.18	12.80
Superphosphate	Bayside	....	....	....	....	.65	....	16.85	16.00	....	....	13.58	12.80
Superphosphate	Baltimore	....	....	....	....	.85	....	16.65	16.00	....	....	13.45	12.80
Superphosphate	Perryman	....	....	....	....	.90	....	16.60	16.00	....	....	13.42	12.80
Harvest Queen	Perryman	.63	....	1.06	1.00	.55	....	9.35	9.00	4.04	4.00	15.03	14.40
Harvest Queen	Linwood	.63	....	1.06	1.00	.50	....	9.00	9.00	4.40	4.00	15.04	14.40
Harvest Queen	Walkersville	.70	....	1.01	1.00	.45	....	9.05	9.00	4.32	4.00	14.81	14.40
Mixed to Order 1-9-3	Linwood	.85	....	1.19	1.00	.50	....	9.00	9.00	4.00	3.00	15.24	13.60
Mixed to Order 1-10-5	Linwood	.87	....	1.21	1.00	.45	....	10.05	10.00	5.30	5.00	17.19	16.00
No. 1 Potato and Vegetable Grower	Baltimore	3.38	3.00	3.96	4.00	.20	....	8.30	8.00	4.24	4.00	25.90	25.60
1-12-5	Baltimore	.70	....	1.06	1.00	.40	....	11.30	12.00	5.28	5.00	17.56	17.60
1-12-5	Walkersville	.92	....	1.09	1.00	.95	....	12.05	12.00	5.20	5.00	18.30	17.60
Pure Ground Raw Bone	Baltimore	....	....	4.78	4.50	....	....	*22.10	*21.50	....	....	32.38	30.90
2-8-5	Baltimore	1.73	1.00	2.17	2.00	.35	....	8.40	8.00	5.00	5.00	19.17	18.40
2-8-5	Rising Sun	1.59	1.00	2.15	2.00	.35	....	8.65	8.00	5.10	5.00	19.65	18.40
2-8-5	Fowblesburg	1.47	1.00	1.98	2.00	.25	....	8.45	8.00	5.24	5.00	18.91	18.40
2-8-5	Linwood	1.52	1.00	1.98	2.00	.35	....	8.45	8.00	5.10	5.00	18.81	18.40

2-8-5	Laurel	**1.43**	1.00	**1.98**	2.00	**.30**	....	**8.60**	8.00	**5.32**	5.00	**19.11**	18.40
2-12-4	Baltimore	**1.54**	1.00	**2.05**	2.00	**.60**	....	**12.20**	12.00	**4.06**	4.00	**21.30**	20.80
2-12-4	Baltimore	**1.47**	1.00	**2.00**	2.00	**.35**	....	**12.05**	12.00	**4.04**	4.00	**20.92**	20.80
2-12-4	Fowblesburg	**1.55**	1.00	**2.03**	2.00	**.35**	....	**12.05**	12.00	**4.16**	4.00	**21.14**	20.80
2-12-4	Baltimore	**1.54**	1.00	**2.07**	2.00	**.50**	....	**12.10**	12.00	**4.40**	4.00	**21.56**	20.80
2-12-6	Baltimore	**1.45**	1.00	**2.00**	2.00	**.40**	....	**12.00**	12.00	**6.66**	6.00	**22.99**	22.40
2-12-6	Walkersvillle	**1.50**	1.00	**2.01**	2.00	**.30**	....	**11.40**	12.00	**6.40**	6.00	**22.33**	22.40
0-12-5	Baltimore	....	....	....	....	**.85**	....	**12.35**	12.00	**5.30**	5.00	**14.25**	13.60
0-12-5	Baltimore	....	....	....	....	**.75**	....	**13.05**	12.00	**5.20**	5.00	**14.71**	13.60
0-12-5	Baltimore	....	....	....	....	**.85**	....	**12.45**	12.00	**5.10**	5.00	**14.17**	13.60
0-12-5	Elkton	....	....	....	....	**1.10**	....	**12.20**	12.00	**5.16**	5.00	**14.06**	13.60
0-12-5	Walkersville	....	....	....	....	**1.05**	....	**12.05**	12.00	**5.30**	5.00	**14.04**	13.60
N. V. Potash Export My, Baltimore, Md.													
Muriate of Potash	Chewsville	....	....	....	....	....	....	....	....	**51.60**	48.00	....	....
G. Ober & Sons Co., Baltimore, Md.													
Special Grade Superphosphate	Baltimore	....	..	....	....	**1.75**	....	**19.15**	18.00	....	....	**15.58**	14.40
Superphosphate High Grade	Baltimore	....	....	....	....	**1.75**	....	**16.15**	16.00	....	....	**13.18**	12.80
Superphosphate High Grade	Baltimore	....	....	....	....	**1.85**	....	**16.85**	16.00	....	....	**13.76**	12.80
Superphosphate High Grade	Denton	....	....	....	....	**2.35**	....	**14.25**	16.00	....	....	**11.75**	12.80
Superphosphate High Grade	Baltimore	....	....	....	....	**2.70**	....	**16.20**	16.00	....	....	**13.37**	12.80
Independent Mixture	Baltimore	**1.75**	1.60	**2.01**	2.00	**1.50**	....	**8.20**	8.00	**5.28**	5.00	**19.05**	18.40
Independent Mixture	Denton	**1.71**	1.60	**1.98**	2.00	**1.25**	....	**8.15**	8.00	**4.80**	5.00	**18.47**	18.40
Refined Ground Bone	Clements	....	....	**4.50**	4.50	....	....	***19.85**	*21.00	....	....	**29.91**	30.60
Refined Ground Bone	Baltimore	....	....	**4.86**	4.50	....	....	***21.20**	*21.00	....	....	**32.16**	30.60
Red Seal Corn and Wheat Guano	Baltimore	**1.81**	1.60	**2.01**	2.00	**1.50**	....	**12.60**	12.00	**4.00**	4.00	**21.55**	20.80
Red Seal Corn and Wheat Guano	Baltimore	**1.71**	1.60	**1.98**	2.00	**1.70**	....	**12.00**	12.00	**4.20**	4.00	**21.14**	20.80
Red Seal Corn and Wheat Guano	Baltimore	**1.81**	1.60	**2.05**	2.00	**1.75**	....	**12.45**	12.00	**4.28**	4.00	**21.84**	20.80
Red Seal Corn and Wheat Guano	Baltimore	**1.77**	1.60	**2.06**	2.00	**.75**	....	**13.25**	12.00	**4.32**	4.00	**22.41**	20.80
Red Seal Corn and Wheat Guano	Baltimore	**1.69**	1.60	**1.98**	2.00	**1.60**	....	**12.11**	12.00	**4.20**	4.00	**21.21**	20.80
Special Plant Food	Baltimore	**1.71**	1.60	**1.98**	2.00	**1.45**	....	**9.15**	9.00	**5.12**	5.00	**19.56**	19.20
Special Plant Food	Baltimore	**1.64**	1.60	**1.98**	2.00	**1.40**	....	**9.00**	9.00	**5.32**	5.00	**19.59**	19.20
Special Plant Food	Baltimore	**1.73**	1.60	**2.00**	2.00	**1.65**	....	**9.55**	9.00	**5.10**	5.00	**19.97**	19.20
Special Plant Food	Baltimore	**1.83**	1.60	**2.12**	2.00	**1.45**	....	**9.05**	9.00	**5.40**	5.00	**20.26**	19.20
Special Plant Food	Baltimore	**1.71**	1.60	**2.00**	2.00	**1.35**	....	**9.15**	9.00	**5.00**	5.00	**19.52**	19.20
Special Plant Food	Baltimore	**1.46**	1.60	**1.89**	2.00	**1.55**	....	**9.15**	9.00	**5.04**	5.00	**19.14**	19.20

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		SUPERPHOSPHATE				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
G. Ober & Sons, Balto., Md. (Cont.)													
Stag Guano	Denton	**.65**	.80	**.99**	1.00	**.80**	....	**9.10**	9.00	**4.22**	4.00	**$14.74**	$14.40
Starkey Truck Compound	Baltimore	**3.53**	3.20	**3.99**	4.00	**1.20**	....	**8.20**	8.00	**5.00**	5.00	**26.70**	26.40
Superior Potato and Vegetable Grower	Clements	**1.61**	1.60	**1.83**	2.00	**1.55**	....	**8.35**	8.00	**9.80**	10.00	**22.07**	22.40
Superior Potato and Vegetable Grower	Baltimore	**1.57**	1.60	**2.00**	2.00	**1.35**	....	**8.05**	8.00	**10.40**	10.00	**22.96**	22.40
Super Wheat and Grain Grower	Baltimore	**2.69**	2.40	**3.00**	3.00	**1.65**	....	**12.05**	12.00	**3.32**	3.00	**24.55**	24.00
Super Wheat and Grain Grower	Baltimore	**2.54**	2.40	**3.00**	3.00	**1.35**	....	**12.55**	12.00	**3.20**	3.00	**24.80**	24.00
Super Wheat and Grain Grower	Clements	**2.64**	2.40	**2.90**	3.00	**.30**	....	**13.30**	12.00	**3.32**	3.00	**24.95**	24.00
Swan E Guano	Baltimore	**1.69**	1.60	**1.98**	2.00	**1.45**	....	**9.05**	9.00	**3.00**	3.00	**17.78**	17.60
Swan E Guano	Baltimore	**1.70**	1.60	**2.01**	2.00	**1.40**	....	**9.00**	9.00	**3.20**	3.00	**18.01**	17.60
Twelve and Five Potash Compound	Baltimore	....	....	....	....	**1.60**	....	**12.20**	12.00	**5.36**	5.00	**14.29**	13.60
Twelve and Five Potash Compound	Baltimore	....	....	....	....	**1.45**	....	**12.25**	12.00	**5.12**	5.00	**14.12**	13.60
Twelve and Five Potash Compound	Baltimore	....	....	....	....	**1.60**	....	**12.90**	12.00	**5.08**	5.00	**14.62**	13.60
Twelve and Five Potash Compound	Baltimore	....	....	....	....	**1.40**	....	**12.30**	12.00	**5.32**	5.00	**14.31**	13.60
Twelve and Five Potash Compound	Baltimore	....	....	....	....	**1.50**	....	**12.60**	12.00	**5.00**	5.00	**14.31**	13.60
Twelve and Five Potash Compound	Baltimore	....	....	....	....	**1.40**	....	**12.10**	12.00	**5.40**	5.00	**14.21**	13.60
Twelve and Five Potash Compound	Baltimore	....	....	....	....	**1.30**	....	**12.60**	12.00	**5.20**	5.00	**14.44**	13.60
Twelve and Five Potash Compound	Denton	....	....	....	....	**1.55**	....	**12.15**	12.00	**5.22**	5.00	**14.13**	13.60
Twelve and Five Potash Compound	Baltimore	....	....	....	....	**1.70**	....	**12.00**	12.00	**5.00**	5.00	**13.86**	13.60
Maryland Farm Bureau 16%	Brunswick	....	....	....	....	**2.45**	....	**15.85**	16.00	....	....	**13.05**	12.80
Maryland Farm Bureau 1-9-4	Chestertown	**.60**	.80	**.98**	1.00	**1.40**	....	**9.00**	9.00	**4.12**	4.00	**14.63**	14.40
Maryland Farm Bureau 2-8-5	Baltimore	**1.73**	1.60	**2.00**	2.00	**1.30**	....	**8.50**	8.00	**5.32**	5.00	**19.26**	18.40
Maryland Farm Bureau 2-8-5	Street	**1.67**	1.60	**1.98**	2.00	**1.40**	....	**8.10**	8.00	**5.28**	5.00	**18.83**	18.40
Maryland Farm Bureau 2-8-5	Chestertown	**1.68**	1.60	**2.06**	2.00	**1.35**	....	**8.05**	8.00	**5.10**	5.00	**18.96**	18.40
Maryland Farm Bureau 2-8-5	Brunswick	**1.60**	1.60	**1.98**	2.00	**1.35**	....	**8.65**	8.00	**5.00**	5.00	**19.04**	18.40
Maryland Farm Bureau 2-8-10	Chestertown	**1.74**	1.60	**2.08**	2.00	**.95**	....	**8.05**	8.00	**10.00**	10.00	**22.90**	22.40
Maryland Farm Bureau 0-12-5	Brunswick	....	....	....	....	**1.60**	....	**12.10**	12.00	**5.10**	5.00	**14.00**	13.60

Pacific Manure & Fertilizer Co., San Francisco, Calif.													
Groz-it Grand Pulv. Sheep Manure	Baltimore	....	....	**1.95**	1.80	....	....	***.80**	*.75	**2.60**	2.50	**10.36**	9.65
Patuxent Guano Co., Balto., Md.													
Potash Mixture	Baltimore	....	....	....	....	**.45**	....	**12.15**	12.00	**5.36**	5.00	**14.08**	13.60
Peerless Fertilizer Company, Chestertown, Md.													
Bone Special	Chestertown	**.44**	.24	**.85**	.50	**.90**	....	**10.00**	10.00	**4.00**	4.00	**14.74**	13.20
Imperial Compound	Chestertown	**.78**	.48	**1.19**	1.00	**.20**	....	**9.30**	9.00	**4.20**	4.00	**15.59**	14.40
Our Farm Bell	Chestertown	....	....	....	....	**.15**	....	**9.65**	9.00	**5.36**	5.00	**12.03**	11.20
Peerless	Chestertown	**1.73**	.90	**2.17**	2.00	**.55**	....	**7.75**	8.00	**5.24**	5.00	**19.15**	18.40
0-12-5 Fertilizer	Chestertown	....	....	....	....	**.10**	....	**13.50**	12.00	**5.34**	5.00	**15.09**	13.60
Piedmont-Mt. Airy Guano Co., Inc.. Baltimore, Md.													
Superphosphate	Mt. Airy	....	....	....	....	**.75**	....	**15.75**	16.00	....	....	**12.71**	12.80
Harvest Queen	Mt. Airy	**.60**	....	**1.09**	1.00	**.65**	....	**8.05**	8.00	**4.60**	4.00	**14.58**	13.60
Peerless Phosphate	Mt. Airy	**.63**	....	**1.19**	1.00	**1.05**	....	**7.35**	8.00	**3.34**	3.00	**13.47**	12.80
Perfection Guano	Mt. Airy	**1.41**	1.00	**2.01**	2.00	**1.05**	....	**7.45**	8.00	**5.60**	5.00	**18.64**	18.40
Plantabbs Corporation, Balto., Md.													
Plantabbs	Baltimore	....	....	**13.68**	13.35	....	....	***18.00**	*15.00	**27.20**	20.00	**87.28**	78.40
Pulverized Manure Co., Chicago, Ill.													
Wizard Brand Pulv. Sheep Manure	Hyattsville	....	....	**2.29**	2.43	....	....	***1.60**	*1.00	**2.40**	2.00	**12.04**	11.92
Ramsburg Fert. Co., Frederick, Md.													
Super Phosphate	Frederick	....	....	....	....	**.30**	....	**16.00**	16.00	....	....	**12.85**	12.80
Ammoniated Bone Phosphate	Frederick	**.62**	.85	**1.01**	1.00	**.10**	....	**12.50**	10.00	**3.60**	4.00	**16.94**	15.20
Ammoniated Bone Phosphate	Frederick	**.75**	.85	**1.18**	1.00	**.10**	....	**12.20**	10.00	**4.00**	4.00	**17.70**	15.20
Excelsior Plant Food	Frederick	**1.26**	1.83	**1.77**	2.00	**.15**	....	**12.55**	10.00	**3.80**	4.00	**20.18**	19.20
Excelsior Plant Food	Frederick	**1.42**	1.83	**1.98**	2.00	**.10**	....	**12.30**	10.00	**4.00**	4.00	**20.98**	19.20
Old Virginia Compound	Frederick	**.68**	.85	**1.11**	1.00	**.05**	....	**12.25**	10.00	**4.36**	5.00	**17.74**	16.00
Special Rock and Potash	Frederick	....	....	....	....	**.05**	....	**13.55**	12.00	**5.34**	5.00	**15.12**	13.60
Williams Wheat and Grass Fertilizer	Frederick	**.62**	.85	**1.13**	1.00	**.15**	....	**13.05**	10.00	**3.60**	2.00	**17.86**	13.60
Williams Wheat and Grass Fertilizer	Frederick	**.72**	.85	**1.13**	1.00	**.05**	....	**12.25**	10.00	**3.20**	2.00	**16.89**	13.60

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		SUPERPHOSPHATE				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Rasin-Monumental Co., Balto., Md.													
Double National Brand	Baltimore	**1.72**	.78	**2.13**	2.00	**1.20**	....	**16.10**	16.00	**8.40**	8.00	**$28.30**	$27.20
Universal Crop Manure	Baltimore	**1.67**	.78	**1.98**	2.00	**1.05**	....	**9.15**	8.00	**5.24**	5.00	**19.59**	18.40
Reindollar Co., Taneytown, Md.													
Superphosphate	Taneytown	....	....	....	....	**.10**	....	**16.30**	16.00	....	....	**13.06**	12.80
Grain Grower	Taneytown	**1.36**	....	**2.20**	2.00	**.70**	....	**11.20**	10.00	**5.12**	5.00	**21.97**	20.00
Rock and Potash	Taneytown	....	....	....	....	**.30**	....	**14.20**	12.00	**6.24**	6.00	**16.40**	14.40
Rhodey Corporation, Balto., Md.													
Plant Tablets	Baltimore	**18.03**	14.82	**18.25**	18.21	....	....	***17.70**	*16.00	**20.45**	20.00	**99.98**	98.44
W. E. Robinson & Co., Bel Air, Md.													
Special Mixture	Fallston	**1.62**	.90	**2.00**	2.00	**1.45**	....	**8.35**	8.00	**5.24**	5.00	**19.09**	18.40
F. S. Royster Guano Co., Baltimore, Md.													
Superphosphate	Mt. Lake Park	....	....	....	....	**1.15**	....	**21.05**	20.00	....	....	**17.01**	16.00
Superphosphate	Baltimore	....	....	....	....	**1.25**	....	**17.75**	16.00	....	....	**14.39**	12.80
Superphosphate	Denton	....	....	....	....	**1.55**	....	**17.55**	16.00	....	....	**14.27**	12.80
Bully Guano	Baltimore	**1.69**	1.40	**1.98**	2.00	**.35**	....	**8.75**	8.00	**5.32**	5.00	**19.23**	18.40
Bully Guano	Denton	**1.71**	1.40	**2.05**	2.00	**.40**	....	**8.60**	8.00	**5.38**	5.00	**19.44**	18.40
Bully Guano	Rockville	**1.74**	1.40	**2.06**	2.00	**.20**	....	**9.00**	8.00	**5.04**	5.00	**19.50**	18.40
Gem Guano	Baltimore	**1.69**	1.40	**1.93**	2.00	**1.30**	....	**12.10**	12.00	**4.04**	4.00	**20.83**	20.80
Gem Guano	Mt. Lake Park	**1.54**	1.40	**2.00**	2.00	**.65**	....	**12.75**	12.00	**4.00**	4.00	**21.50**	20.80
Phosphate and Potash	Baltimore	....	....	....	....	**1.10**	....	**13.50**	12.00	**8.58**	5.00	**17.83**	13.60
Rational Guano	Baltimore	**.88**	.50	**1.19**	1.00	**.85**	....	**9.35**	9.00	**4.28**	4.00	**15.79**	14.40

Rational Guano	Baltimore	**.73**	.50	**1.09**	1.00	**.60**	....	**9.90**	9.00	**4.28**	4.00	**15.79**	14.40
Rational Guano	Denton	**.56**	.50	**1.02**	1.00	**1.30**	....	**8.90**	9.00	**4.64**	4.00	**15.11**	14.40
Vim Guano	Rockville	**1.64**	1.60	**1.98**	2.00	**.70**	....	**13.00**	12.00	**2.20**	2.00	**20.19**	19.20
H. C. Schultz, Baltimore, Md.													
Cowco	Baltimore	**.74**	....	**1.35**	.46	....	....	***4.30**	*4.32	**2.70**	.42	**10.14**	4.77
R. H. Slingluff Fertilizer Co., Baltimore, Md.													
Harvest Queen	Baltimore	**1.02**	.31	**1.40**	1.00	**.25**	....	**9.85**	9.00	**4.40**	4.00	**17.04**	14.40
Harvest Queen	Baltimore	**.73**	.31	**1.16**	1.00	**.70**	....	**9.10**	9.00	**4.36**	4.00	**15.52**	14.40
Harvest Queen	Baltimore	**.72**	.31	**1.20**	1.00	**.50**	....	**9.70**	9.00	**4.38**	4.00	**16.14**	14.40
Standard Phosphate	Baltimore	**2.54**	.60	**3.03**	3.00	**.50**	....	**8.90**	8.00	**4.40**	4.00	**22.84**	21.60
Standard Phosphate	Baltimore	**2.51**	.60	**2.99**	3.00	**.40**	....	**8.10**	8.00	**4.38**	4.00	**22.00**	21.60
Wheat and Grain Mixture	Baltimore	**1.50**	.60	**1.98**	2.00	**.50**	....	**10.00**	10.00	**4.40**	4.00	**19.52**	19.20
Wheat and Grain Mixture	Baltimore	**1.60**	.60	**2.03**	2.00	**.65**	....	**10.75**	10.00	**4.28**	4.00	**20.24**	19.20
Standard Wholesale Phosphate & Acid Works, Inc., Balto., Md.													
Superphosphate	Baltimore	....	....	....	....	**.35**	....	**20.05**	20.00	....	....	**16.09**	16.00
Superphosphate	Baltimore	....	....	....	....	**.85**	....	**18.05**	18.00	....	....	**14.57**	14.40
Superphosphate	Baltimore	....	....	....	....	**.95**	....	**16.25**	16.00	....	....	**13.14**	12.80
Superphosphate	Baltimore	....	....	....	....	**.85**	....	**16.65**	16.00	....	....	**13.45**	12.80
High Grade Phosphate and Potash	Baltimore	....	....	....	....	**.80**	....	**12.40**	12.00	**5.20**	5.00	**14.20**	13.60
Mammoth Potato Grower	Baltimore	**1.60**	1.00	**2.20**	2.00	**1.30**	....	**8.00**	8.00	**10.40**	10.00	**23.72**	22.40
Mammoth Potato Grower	Baltimore	**1.69**	1.00	**2.27**	2.00	**1.40**	....	**8.50**	8.00	**10.10**	10.00	**24.17**	22.40
Mammoth Truck Grower	Baltimore	**1.67**	1.00	**2.06**	2.00	**1.35**	....	**8.05**	8.00	**5.16**	5.00	**19.01**	18.40
Muriate of Potash	Baltimore	....	....	....	....	....	....	....	....	**48.10**	48.00	....	....
Muriate of Potash	Baltimore	....	....	....	....	....	....	....	....	**48.12**	48.00	....	....
Phosphate and Potash Mixture	Baltimore	....	....	....	....	**.55**	....	**9.95**	10.00	**9.40**	10.00	**15.56**	16.00
Rainbow Brand	Baltimore	**1.76**	1.00	**2.27**	2.00	**1.35**	....	**12.25**	12.00	**2.40**	2.00	**21.00**	19.20
Service Mixture	Balitmore	**1.64**	1.00	**2.03**	2.00	**1.40**	....	**12.90**	12.00	**6.20**	6.00	**23.61**	22.40
Service Mixture	Baltimore	**1.72**	1.00	**2.15**	2.00	**1.40**	....	**12.50**	12.00	**6.38**	6.00	**23.91**	22.40
Service Mixture	Baltimore	**1.70**	1.00	**2.18**	2.00	**1.40**	....	**12.50**	12.00	**6.12**	6.00	**23.83**	22.40
Service Mixture	Baltimore	**1.72**	1.00	**2.13**	2.00	**1.60**	....	**11.80**	12.00	**6.20**	6.00	**23.16**	22.40
Sulphate of Ammonia	Baltimore	....	....	**25.40**	25.00	....	....	....	....	....	....	....	....

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		SUPERPHOSPHATE				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Swift & Co., Fertilizer Works, Baltimore, Md.													
Superphosphate	Baltimore	....	....	....	....	**.90**	....	**16.30**	16.00	....	....	**$13.18**	$12.80
Red Steer 4-8-7	Baltimore	**3.78**	2.60	**3.92**	4.00	**.90**	....	**8.30**	8.00	**6.36**	7.00	**27.55**	28.00
Red Steer 4-16-10	Glyndon	**3.96**	2.59	**4.13**	4.00	**2.40**	....	**14.60**	16.00	**10.36**	10.00	**36.85**	36.80
Red Steer 1-9-4	Baltimore	**.91**	.60	**1.08**	1.00	**.15**	....	**9.35**	9.00	**4.10**	4.00	**15.10**	14.40
Red Steer 1-9-4	Ridgely	**.81**	.60	**1.00**	1.00	**.10**	....	**9.50**	9.00	**4.20**	4.00	**14.98**	14.40
Red Steer 1-9-4	Fairplay	**.91**	.60	**1.01**	1.00	**.15**	....	**9.45**	9.00	**4.10**	4.00	**14.90**	14.40
Red Steer 1-9-4	Baltimore	**.92**	.60	**1.01**	1.00	**.10**	....	**9.50**	9.00	**4.08**	4.00	**14.92**	14.40
Raw Bone Meal Fertilizer	Baltimore	....	....	**4.64**	4.50	....	....	***24.30**	*20.00	....	....	**33.14**	30.00
Red Steer 2-8-5	Washington Grove	**1.98**	1.21	**2.15**	2.00	**.15**	....	**8.35**	8.00	**5.30**	5.00	**19.54**	18.40
Red Steer 2-8-5	Waldorf	**1.91**	1.21	**2.00**	2.00	**.10**	....	**8.40**	8.00	**5.04**	5.00	**18.77**	18.40
Red Steer 2-8-5	Baltimore	**2.05**	1.21	**2.20**	2.00	**.25**	....	**8.75**	8.00	**5.36**	5.00	**20.13**	18.40
Red Steer 2-8-5	Baltimore	**1.86**	1.21	**2.00**	2.00	**.20**	....	**8.30**	8.00	**5.00**	5.00	**18.67**	18.40
Red Steer 2-8-5	Cockeysville	**1.86**	1.21	**1.98**	2.00	**.65**	....	**8.15**	8.00	**5.20**	5.00	**18.70**	18.40
Red Steer 2-8-5	Ridgely	**1.66**	1.21	**1.83**	2.00	**.10**	....	**8.40**	8.00	**5.10**	5.00	**18.14**	18.40
Red Steer 2-8-5	Glyndon	**1.95**	1.21	**2.05**	2.00	**.10**	....	**8.50**	8.00	**5.00**	5.00	**19.02**	18.40
Red Steer 2-12-2	Baltimore	**1.72**	1.21	**1.84**	2.00	**.70**	....	**12.60**	12.00	**2.40**	2.00	**19.47**	19.20
Red Steer 2-12-4	Fairplay	**2.03**	....	**2.20**	2.00	**.30**	....	**12.70**	12.00	**4.18**	4.00	**22.35**	20.80
Red Steer 2-12-4	Gapland	**1.91**	....	**2.01**	2.00	**.90**	....	**11.90**	12.00	**4.36**	4.00	**21.19**	20.80
Red Steer 2-16-8	Ridgely	**1.96**	1.21	**2.13**	2.00	**1.10**	....	**16.20**	16.00	**8.36**	8.00	**28.34**	27.20
Vigoro	Baltimore	**4.44**	....	**4.82**	4.86	**2.40**	....	**12.20**	12.00	**4.32**	4.00	**32.86**	32.24
Synthetic Nitrogen Products Corp., New York, N. Y.													
Nitrophoska	Baltimore	**19.57**	....	**19.64**	18.20	....	....	***33.70**	*30.00	**15.20**	15.00	**110.94**	102.80
Urea (Floranid-Urea)	Baltimore	....	....	**56.00**	55.90	....	....	....	....	....	....	....	....

Tennessee Copper & Chemical Corp., Lockland, Ohio.													
Loma	Baltimore	**4.86**	....	**5.49**	5.00	**.50**	....	**11.00**	10.00	**4.04**	4.00	**34.07**	31.20
Thomas & Co., Gaithersburg, Md.													
Acid Phosphate	Frederick	....	....	....	....	**1.35**	....	**16.25**	16.00	....	....	**13.20**	12.80
Acid Phosphate	Gaithersburg	....	....	....	....	**.90**	....	**16.20**	16.00	....	....	**13.10**	12.80
Harvest Queen	Gaithersburg	**.81**	.45	**1.19**	1.25	**2.05**	....	**11.75**	10.00	**2.40**	2.00	**16.39**	14.60
Harvest Queen	Frederick	**1.09**	.45	**1.40**	1.25	**2.40**	....	**11.00**	10.00	**2.40**	2.00	**16.68**	14.60
Manure Salts	Gaithersburg	....	....	....	....	....	....	....	....	**20.80**	20.00	....	....
Sure Crop	Frederick	**2.06**	.50	**2.35**	2.00	**.85**	....	**14.75**	12.00	**7.88**	6.00	**27.63**	22.40
Super Phosphate and Potash	Gaithersburg	....	....	....	....	**1.20**	....	**12.10**	12.00	**6.00**	5.00	**14.66**	13.60
Super Phosphate and Potash	Gaithersburg	....	....	....	....	**1.00**	....	**12.10**	12.00	**6.00**	5.00	**14.63**	13.60
Wheat and Grass Grower	Gaithersburg	**1.52**	....	**1.98**	2.00	**1.75**	....	**9.15**	8.00	**4.56**	5.00	**19.15**	18.40
Wheat and Grass Grower	Gaithersburg	**1.16**	.50	**1.71**	2.00	**1.40**	....	**9.50**	8.00	**5.10**	5.00	**18.73**	18.40
Wm. B. Tilghman Co., Salisbury, Md.													
Bone Tankage Mixture	Salisbury	**1.77**	....	**2.03**	2.00	**.35**	....	**13.45**	12.00	**4.20**	4.00	**22.29**	20.80
High Grade Potash Mixture	Salisbury	**2.10**	....	**2.44**	2.00	**.90**	....	**8.30**	8.00	**10.00**	10.00	**24.54**	22.40
Phosphate and Potash	Salisbury	....	....	....	....	**.15**	....	**12.75**	12.00	**6.20**	5.00	**15.18**	13.60
Special Grain Fertilizer	Salisbury	**1.23**	.50	**1.52**	1.00	**.80**	....	**10.50**	10.00	**5.38**	5.00	**18.90**	16.00
Special Fertilizer	Salisbury	**1.46**	.50	**1.60**	1.00	**.90**	....	**9.10**	9.00	**4.40**	4.00	**17.34**	14.40
Standard	Salisbury	**2.14**	....	**2.34**	2.00	**.85**	....	**8.05**	8.00	**5.96**	5.00	**20.70**	18.40
F. W. Tunnell & Co., Inc., Philadelphia, Pa.													
Veribest Cereal Manure	Elk Mills	**1.26**	1.25	**1.98**	2.00	**1.10**	....	**8.60**	8.00	**5.40**	5.00	**19.29**	18.40
E. S. Valliant & Son, Centreville, Md.													
Ammoniated Potash Mixture	Centreville	**.80**	.50	**1.04**	1.00	**.60**	....	**11.40**	11.00	**5.28**	5.00	**17.59**	16.80
Animal Base Mixture	Centreville	**.87**	.50	**1.16**	1.00	**.65**	....	**11.35**	11.00	**4.20**	4.00	**17.18**	16.00
Chester	Centreville	**.41**	.25	**.61**	.50	**1.10**	....	**10.00**	10.00	**5.30**	4.00	**14.85**	13.20
Ideal	Centreville	....	....	....	....	**.50**	....	**12.50**	12.00	**6.24**	6.00	**15.07**	14.40
Fall Keystone	Centreville	**1.74**	1.00	**1.98**	2.00	**.95**	....	**9.45**	9.00	**5.32**	5.00	**19.88**	19.20
Favorite	Centreville	**.93**	.50	**1.13**	1.00	**.50**	....	**10.20**	9.00	**5.92**	5.00	**17.50**	15.20
Grain Grower	Centreville	**.75**	.50	**1.01**	1.00	**.65**	....	**10.05**	10.00	**5.64**	4.00	**16.69**	15.20
Harmony	Centreville	**1.78**	1.00	**1.98**	2.00	**.40**	....	**10.20**	10.00	**5.76**	5.00	**20.75**	20.00
Standard	Centreville	**.92**	.50	**1.16**	1.00	**.40**	....	**10.20**	9.00	**4.40**	4.00	**16.38**	14.40
Winner	Centreville	**1.78**	1.00	**1.98**	2.00	**.40**	....	**10.00**	8.00	**9.12**	10.00	**23.28**	22.40

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		SUPERPHOSPHATE				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
W. H. Valliant & Bro., Bellvue, Md.													
1-8-4 Phosphate	Bellevue	.87	....	1.67	1.00	.60	....	8.20	8.00	5.96	4.00	$18.10	$13.60
Virginia-Carolina Chem. Corp., Baltimore, Md.													
American Excelsior Guano	Baltimore	1.67	.78	1.98	2.00	1.40	....	8.70	8.00	5.30	5.00	19.33	18.40
V-C Superphosphate	Baltimore	....	....	....	....	.90	....	16.50	16.00	....	....	13.34	12.80
V-C Fish, Bone and Potash	Baltimore	1.59	.78	2.12	2.00	2.70	....	9.00	9.00	3.32	3.00	18.75	17.60
V-C Fish, Bone and Potash	Baltimore	1.60	.78	2.20	2.00	2.75	....	9.05	9.00	3.30	3.00	19.09	17.60
V-C Fish, Bone and Potash	Baltimore	1.57	.78	2.08	2.00	2.80	....	8.80	9.00	3.34	3.00	18.45	17.60
V-C Fish, Bone and Potash	Baltimore	1.64	.78	2.20	2.00	2.50	....	9.10	9.00	3.32	3.00	19.12	17.60
Bloomaid (Powder Form)	Baltimore	4.59	....	6.01	6.00	.25	....	10.95	10.00	4.90	4.00	36.76	35.20
Bloomaid (Tablet Form)	Baltimore	12.10	....	12.34	12.00	.40	....	15.70	14.00	6.28	6.00	67.00	64.00
Westminster Fert. Co. Westminster, Md.													
Acid Phosphate	Westminster	....	....	....	....	.10	....	16.00	16.00	....	....	12.82	12.80
Leader	Westminster	.68	.49	1.02	1.00	.10	....	9.70	9.00	4.30	4.00	15.30	14.40
2-8-5	Westminster	1.38	....	1.79	2.00	.10	....	8.00	8.00	5.40	5.00	17.90	18.40
Super-A	Westminster	.70	.49	1.21	1.00	.15	....	10.75	10.00	2.24	2.00	15.25	13.60
Worcester Fert. Co., Snow Hill, Md.													
Superphosphate	Snow Hill	....	....	....	....	.10	....	16.70	16.00	....	....	13.38	12.80
Correct Plant Food Mixture 1-9-4	Snow Hill	.89	....	1.09	1.00	.10	....	9.70	9.00	4.64	4.00	15.85	14.40
Correct Plant Food Mixture 2-8-5	Snow Hill	1.76	.66	2.08	2.00	.45	....	8.55	8.00	5.10	5.00	19.31	18.40
Correct Plant Food Mixture 0-12-5	Snow Hill	....	....	....	....	.10	....	11.10	12.00	5.38	5.00	13.20	13.60
Wm. P. Young & Son, Inc., New York, N. Y.													
Young's Formula	Baltimore	7.96	....	8.71	8.00	.45	....	7.05	7.00	6.16	6.00	45.48	42.40